

SERIAL 03025 RFP ENVIRONMENTAL SERVICES

DATE OF LAST REVISION: May 24, 2006

CONTRACT END DATE: November 30, 2008

CONTRACT PERIOD THROUGH NOVEMBER 30, 2008

TO: All Departments

FROM: Department of Materials Management

SUBJECT: Contract for **ENVIRONMENTAL SERVICES (NIGP 91843)**

Attached to this letter is published an effective purchasing contract for products and/or services to be supplied to Maricopa County activities as awarded by Maricopa County on **November 19, 2003**.

All purchases of products and/or services listed on the attached pages of this letter are to be obtained from the vendor holding the contract. Individuals are responsible to the vendor for purchases made outside of contracts. The contract period is indicated above.

Wes Baysinger, Director
Materials Management

CH/mm
Attach

Copy to: Clerk of the Board
Wesley Shoner, Environmental Services
Rita Neill, Risk Management
Kathy Sicard, Materials Management

(Please remove Serial 98017-RFP from your contract notebooks)

Environmental Assessment/Impact Statements	UST Tightness Test/Above Ground Tank Certification	Drilling	Laboratory and Analytical Services	Waste Disposal	Environmental Training	Industrial Hygiene/Indoor Air Quality Services	Environmental Engineering Services	Asbestos/Lead-Based Paint Assessment/Abatement	Remediation	Site Assessment/Investigation	Vendor #	
VENDOR	AS0 3-10	AS0 3-9	AS0 3-8	AS0 3-7	AS0 3-6	AS0 3-5	AS0 3-4	AS0 3-3	AS0 3-2	AS0 3-1		
ARCHAEOLOGICAL CONSULTING SVCS.											W000004586 X	X
ALLSTATE SERVICES					X			X			W000003179 X	
AMEC EARTH & ENVIRONMENTAL			X			X	X	X	X	X	W000001853 X	X
ASBESTOS INSTITUTE					X						W000003149 X	
BRYAN A STIRRAT (BAS)									X	X	W000001447 X	
CDM							X		X		W000005061 X	
CIRCADIEN								X			W000005192 X	
DEL MAR ANALYTICAL											W000004340 X	X
EMC LABS			X								W000004845 X	
ENVIRONMENTAL ENGINEERING CONSULTANTS									X	X	W000002805 X	X
ENVIRONMENTAL RESPONSE				X							W000003984 X	
ENVIRONOMICS SOUTHWEST						X		X			W000004478 X	
FIBERQUANT ANALYTICAL			X								W000004508 X	
FM GROUP INC.								X			W000003418 X	
FOUR CORNERS							X		X	X	W000001273 X	X
GEO TRANS							X		X	X	W000000614 X	
GEOMATRIX							X				W000006952 X	
GEOMECHANICS SOUTHWEST		X									W000003455 X	
GEOTECHNICAL & ENVIRONMENTAL CONSULT					X	X	X			X	W000001290 X	
HDR ENGINEERING							X				W000002959 X	X
HYDRO GEO CHEM.									X	X	W000004522 X	
HYGIENETICS ENVIRONMENTAL			X			X		X			W000005294 X	
IHI ENVIRONMENTAL						X		X			W000002280 X	

Environmental Assessment/Impact Statements	UST Tightness Test/Above Ground Tank Certification	Drilling	Laboratory and Analytical Services	Waste Disposal	Environmental Training	Industrial Hygiene/Indoor Air Quality Services	Environmental Engineering Services	Asbestos/Lead-Based Paint Assessment/Abatement	Remediation	Site Assessment/Investigation	Vendor #	
AS0 3-11	AS0 3-10	AS0 3-9	AS0 3-8	AS0 3-7	AS0 3-6	AS0 3-5	AS0 3-4	AS0 3-3	AS0 3-2	AS0 3-1		VENDOR
						X					W000007445 X	INNOVATIVE
								X			W000003746 X	INTERNATIONAL ENVIRONMENTAL CORP
					X						W000003317 X	KARY ENVIRONMENTAL
							X		X	X	W000000483 X	KLEINFELDER INC
			X								W000004474 X	LEGEND TECHNICAL SERVICES
							X		X	X	W000004858 X	LFR LEVINE FRICKE
X											W000004473 X	LOGAN SIMPSON DESIGN
								X	X	X	W000003422 X	MACTEC ENGINEERING
									X		W000005079 X	MILLER BROOKS
								X			W000004297 X	NATIVE ENVIRONMENTAL
				X							W000004843 X	PHILIP TRANSPORTATION
								X			W000000281 X	PROJECT DEVELOPMENT GROUP
				X							W000005395 X	RINCHEM
							X				W000003797 X	RTP
X											W000004677 X	SAGE LANDSCAPE & ENVIRONMENTAL
									X	X	W000004472 X	STEARNS CONRAD & SCHMIDT (SCS)
									X	X	W000005029 X	SECOR ENVIRONMENTAL
								X			W000000494 X	SPRAY SYSTEMS
							X				W000000570 X	STANTEC
X											W000004784 X	SWCA
			X								W000003361 X	TRANSWEST GEOCHEM
X							X		X	X	W000000777 X	TRC

Environmental Assessment/Impact Statements	AS0 3-11											
UST Tightness Test/Above Ground Tank Certification	AS0 3-10											
Drilling	AS0 3-9											
Laboratory and Analytical Services	AS0 3-8											
Waste Disposal	AS0 3-7											
Environmental Training	AS0 3-6											
Industrial Hygiene/Indoor Air Quality Services	AS0 3-5											
Environmental Engineering Services	AS0 3-4											
Asbestos/Lead-Based Paint Assessment/Abatement	AS0 3-3											
Remediation	AS0 3-2											
Site Assessment/Investigation	AS0 3-1											
Vendor #												
VENDOR												
TRINITY	W000007519 X				X							
URS, CORP.	W000003665 X	X	X		X	X						X
WDC EXPLORATION & WELLS	W000005043 X									X		
WESTERN TECHNOLOGIES	W000004477 X	X		X		X						

SPECIFICATIONS ON INVITATION FOR PROPOSAL FOR: **ENVIRONMENTAL SERVICES**

1.0 **INTRODUCTION:**

- 1.1 This document constitutes a Request for **Proposal (RFP) ~~Qualifications (RFQ)~~**, for competitive sealed proposals from qualified individuals and organizations to provide for the following environmental services: environmental site assessment/ site investigation; remediation; asbestos and lead-based paint assessment and/or abatement; environmental engineering services; industrial hygiene/indoor air quality services; environmental training; waste disposal; laboratory and analytical services; drilling services; and tank tightness testing. Qualified vendors will be added as needed during the term of the contract.
- 1.2 The term "Using Department" (UD) used throughout this document is defined as any County governmental unit, which may utilize any service procured through this solicitation.
- 1.3 It is the intent of Maricopa County to develop a list of Qualified Contractors for each Area of Service (AOS). UD's will issue Project Offers (POs) to the list of Qualified Contractors for the appropriate AOS. Contracts will be issued to the successful Project bidder on a Project basis.
- 1.4 Maricopa County reserves the right to make multiple awards for each AOS.

2.0 **TECHNICAL SPECIFICATIONS**

Following are general requirements, which may be required in a Project Scope of Work (PSOW) common to Areas of Services E3-1 through E3-10, which are defined in Exhibit 3. Contractors understand and agree that they will abide by all conditions established in RFP for the applicable Area(s) of Work for which they are approved and listed.

2.1 **HEALTH AND SAFETY PROGRAM:**

The Contractor shall, as required by Project on an as-needed if-needed basis, prepare and implement site-specific health and safety plans for all phases of the work activity for its employees, subcontractors or subcontractors' employees as required.

- 2.1.1 The Contractor shall have an existing health and safety program which shall comply with all Occupational Safety and Health Administration (OSHA, reference Title 29 Code of Federal Regulations, Part 1910 29 CFR 1910.120, and/or 29 CFR 1926.1101 as applicable) and Environmental Protection Agency (EPA) standards (reference 40 CFR, particularly the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and/or Resource Conservation and Recovery Act (RCRA)), and any other applicable federal, state and/or local laws, rules, regulations, and ordinances, and shall include, but not be limited to the following:
 - 2.1.1.1 Contractors' health and safety policies and responsibilities.
 - 2.1.1.2 Key personnel and their health and safety responsibilities.
 - 2.1.1.3 Employee responsibilities.
 - 2.1.1.4 Personnel protective equipment capabilities, including respiratory protection program.
 - 2.1.1.5 Standard work practices.
 - 2.1.1.6 Medical monitoring program for field personnel.
 - 2.1.1.7 Exposure monitoring program for field personnel.
 - 2.1.1.8 Health and safety program documentation and record keeping.
 - 2.1.1.9 Training program for personnel.

2.2 PROJECTS:

2.2.1 Using Department Scope of Work Format And Submittal:

The UD shall submit an initial PSOW, which shall include, as a minimum, the following:

- Project area description
- schedule for completion
- deliverables
- variables and assumptions
- acceptance criteria
- reporting requirements
- Project objectives.

2.2.2 In order to insure equity to all Contractors, the UD shall solicit initial Project Offers (POs) from all Contractors listed as qualified for Areas of Services E3-1 through E3-10. However, there may be those special circumstances whereby such solicitation is impractical (i.e., continuity of site assessment/remediation by same Contractor). In this case, a written determination shall be placed in the Project file detailing the extent that competitive offers were solicited.

2.2.3 Contractor's Project Offer (PO) Format:

The Contractor shall submit a PO, which shall include:

2.2.3.1 Proposed method of approach with any suggested changes to the initial PSOW and recommendations for any approved innovative technologies when applicable. The Contractor shall not be paid for the development of the PO.

2.2.3.2 A list of all approved key personnel to be assigned to complete the work. The Contractor shall provide the following information for each key personnel:

2.2.3.2.1 Specific professional position and level assigned for the Project (i.e., John Smith, Project Manager, level VI).

2.2.3.2.2 Health and safety responsibilities.

2.2.3.2.3 Specific related or similar Project references which demonstrates experience for the work required with points of contact and current phone numbers.

2.2.3.2.4 **When requested by the UD**, provide a brief resume to support minimum requirements/educational background required for that specific professional position and level.

2.2.3.2.5 Once identified in the PO, Key Personnel shall not be removed or replaced without notification and approval of the UD Project Manager or Project Coordinator. If the Contractor replaces Key Personnel, it shall not affect their commitment to meet all schedules and deliverables.

2.2.3.2.6 **Number of hours for each key person, subcontractor(s), consultant(s), etc.**

2.2.3.3 A list of all approved subcontractors to be used.

2.2.3.3.1 Once identified in the PO, subcontractors shall not be removed or replaced without notification and approval of the UD Project Manager or Project Coordinator. If the Contractor replaces a Subcontractor, it shall not affect the Contractor's commitment to meet all schedules and deliverables.

2.2.3.3.2 Contractor shall submit adequate documentation supporting the performance ability of proposed subcontractors.

2.2.3.4 The written PO must include a detailed, itemized breakdown of all labor classifications, equipment and supplies for ALL subcontractors which the Contractor proposes to utilize, as well as the FIRM, FIXED COSTS for such. The Contractor's markup fee will be **A MAXIMUM OF 5% AND MUST BE PRE-APPROVED BY THE COUNTY**. NO MARKUP FEE will be allowed for any classification of subcontractor work totaling \$500.00 or less, either on the PO or any Project Amendment (PA, described in paragraph 2.2.10).

(example only):

DRILLER	Total amount of work:	\$ 5,000.00
	Subcontractor mark-up	
	per contract:	<u>250.00</u>
	Total Firm Fixed Cost to be billed to Using Department:	\$ 5,250.00
TRANSPORTER	Total amount of work:	\$19,000.00
	Subcontractor mark-up	
	per contract:	<u>950.00</u>
	Total Firm Fixed Cost to be billed to Using Agency:	\$19,950.00

2.2.3.5 A list of all approved capitalized equipment the Contractor proposes to utilize for the Project, to include number of hours and the amount to be utilized (i.e., miles, hours, days, weeks, etc.).

2.2.3.6 The written PO must describe the Contractor's safety plan for the Project. Such safety plan should include, at a minimum, the description of the conditions, which, if present, will cause the Contractor to initiate cessation of services for safety reasons. However, the Contractor and the UD shall agree and understand that, in addition to the conditions specified in the written PO, reasonable professional judgment must, at all times, be exercised as criteria for cessation of services for safety reasons.

2.2.3.7 A complete schedule of activities to meet compliance with UD's schedule for completion.

2.2.3.8 Local conditions, assumptions, and/or limitations on the part of the Contractor which may affect the accuracy of the PSOW.

2.2.3.9 Anything else that applies to this specific site (i.e., laboratory tests, location of disposal site, etc.).

2.2.3.10 Potential conflicts of interests.

2.2.3.11 The Contractor must submit the written PO to the UD no later than the date specified by the UD and in accordance with all instructions provided by the UD.

2.2.3.12 The UD Project Manager or Project Coordinator shall have the right to review a copy of the proposed subcontractor's and/or consultant's work schedule to ensure compliance with all terms and conditions of the original contract.

2.2.3.13 If accepted by the UD, the PO becomes a firm, fixed offer and the bottom-line dollar amount for all labor, equipment, supplies, subcontractor work, mark-up, etc., shall become a not-to-exceed (NTE) ceiling amount. No component of the PO (labor classification, number of hours, equipment, etc.) nor the NTE ceiling can be increased except through the PA process, as described in paragraph 2.2.10.

2.2.4 Conflict Of Interest For Projects:

2.2.4.1 Upon submission of the PO, the Contractor shall submit a written disclosure regarding the existence of any real or potential conflict of interest as defined in Arizona Revised Statutes (A.R.S.) § 38-501, et seq., that the Contractor, individual employee, or known subcontractor(s) may have. A Conflicting Party is defined as any person who may be responsible under any state or federal law for pollutants which are present in, or threaten, the Project area defined within the PSOW. In addition, the following shall be considered a conflict of interest:

2.2.4.1.1 The existence of a current financial relationship with a Conflicting Party within the past five (5) years. A current financial relationship includes:

- Owing money to, or being owed money by a Conflicting Party
- Having performed work for a Conflicting Party and having issued a warranty or guarantee for the work that is still in
- Allowing a Contractor employee to work on the Project area if that Contractor employee was an employee of a Conflicting Party or was an employee of a Contractor to a Conflicting Party within the previous two years
- Acceptance by the Contractor of any gifts or gratuities from a Conflicting Party.

2.2.4.1.2 The existence of a past financial relationship in which the Contractor provided opinions or conclusions to a Conflicting Party.

2.2.4.1.3 The existence of a potential conflict of interest between a Contractor and a Conflicting Party that is not defined above, but which creates an appearance of impropriety. An appearance of impropriety shall be defined as a situation where the activity of a Contractor may create the impression that a conflict of interest and/or a similar improper relationship exists between a particular Conflicting Party and the Contractor. An appearance of impropriety may exist even if a real conflict of interest (as defined above) does not exist. The UD would make a determination in the best interests of the County on a case-by-case basis.

2.2.4.2 It shall be the duty of the Contractor to report in writing to the UD any of the real or potential conflict of interest situations, as noted above, within five (5) business days of when the Contractor knew or should have known of their existence.

2.2.4.3 The Contractor must provide and maintain adequate procedures and controls to ensure that if a real or potential conflict of interest arises or is discovered between the Contractor and a Conflicting Party, that the UD is notified within five (5) business days of when the Contractor knew or should have known of their existence.

- 2.2.4.4 The UD reserves the right to waive conflicts of interest as it deems in its best interest, with prior notification to and advice from UD Legal Counsel.
- 2.2.4.5 Proposed subcontractors may be subject to the same conflict of interest provisions as stated above. Contractors shall notify the UD of all potential conflicts in the PO and the UD reserves the right to exercise best judgement in waiving the conflicts of interest applicability to subcontractors as it deems in its best interest. Conflict of interest provisions must be included in all applicable contracts with subcontractors.
- 2.2.4.6 The Contractor shall submit with their PO a disclosure statement concerning potential conflicts of interest for all employees of the Contractor potentially assigned as Key Personnel on a PSOW.
 - 2.2.4.6.1 The disclosure statement shall address all Conflicting Party relationships. The Contractor is to provide along with its disclosure statement, information on its financial and business relationship with all Conflicting Parties and with the Contractor's parent companies, subsidiaries, affiliates, subcontractors, or current clients. (This disclosure requirement encompasses past financial and business relationships, including services related to any proposed or pending litigation, with such parties).
- 2.2.4.7 The Contractor shall not provide data generated or otherwise obtained in the performance of Contractor responsibilities under a contract to any party other than the County, or its authorized agents for the life of the contract, and for a period of five (5) years after completion of the contract except as directed by the UD.
- 2.2.4.8 The Contractor shall not accept employment from any party other than state or federal agencies for work directly related to the Project area(s) under the contract for five (5) years after the contract has terminated. The UD may exempt Contractor from this requirement through a written release.

2.2.5 Innovative Technical Approaches:

Included in the PO, submitted in response to the UD's PSOW, the Contractor is encouraged to offer any innovative technical approaches and/or cost efficient alternatives that could achieve the objectives of the PSOW. The PO shall describe the relative merits of the innovative approach and provide clear and convincing evidence that the alternative meets or exceeds all relevant specifications required by the original PSOW.

2.2.6 Using Department Evaluation Of Contractor's Project Offer:

PO will be evaluated based on the extent to which the offeror's plan for execution identifies and demonstrates an understanding of the technical and management issues that are critical to successfully accomplishing the Project, demonstrates a level of effort that will accomplish the Project in a safe, effective and efficient manner, including attainable improvements that may accelerate completion or lower Project costs without jeopardizing worker safety, human health or the environment, and displays the degree to which the offeror optimizes the use of competitive subcontracts to minimize overall costs to the customer and resolution of unanticipated problems.

Listed below, in the relative order of importance, is the minimum evaluation criteria UDs shall use in evaluating each PO received from Contractors in response to a PSOW. UDs may expand upon these evaluation elements and shall list them in relative order of importance within the PSOW:

- 2.2.6.1 Method of approach to accomplish the PSOW, to include type of equipment, laboratory tests, disposal site, etc. as applicable.
- 2.2.6.2 Direct experience of personnel proposed to accomplish the specific tasks/sub-tasks, as applicable, within the PSOW.
- 2.2.6.3 Qualifications of personnel proposed to accomplish the PSOW.
- 2.2.6.4 Availability of personnel and equipment to meet the needs of the Project to be assigned.
- 2.2.6.5 Local conditions and/or assumptions on the part of the Contractor which may affect the accuracy of the PSOW.
- 2.2.6.6 Total, firm, fixed prices for all services, materials, and equipment required to perform all work required by the PSOW. However, cost shall not be the primary evaluation criteria.

2.2.7 Final Project Contract Award:

- 2.2.7.1 After receipt of the PO and in accordance with the established evaluation criteria, the UD shall issue a final Project Contract award.
- 2.2.7.2 The UD shall encumber funds prior to issuance of any Notice to Proceed or similar document to the Contractor.

2.2.8 Pre-Performance Meeting:

All work shall be coordinated through the UD's Project Manager or Project Coordinator. If required by the UD, the Project Manager or Project Coordinator and Contractor's key personnel shall participate in a pre-performance meeting to coordinate the work schedule and provide clarification on any items as necessary.

2.2.9 Differing Site Conditions:

The Contractor shall notify, in writing, (facsimile notification is an acceptable written format) the UD Project Manager or Project Coordinator of differing site conditions or any other changes not anticipated in the Project which may cause a change in cost, completion time or makes significant changes in methodology. If changes result in an increase or decrease in the established firm, fixed prices, such increase or decrease shall be detailed to such an extent as to allow the UD sufficient information to evaluate the costs involved. Such written notification, to include revised prices, shall be made as soon as possible but no later than five (5) business days from discovery.

The UD Project Manager or Project Coordinator, as applicable, may authorize field changes in Project(s), as long as such changes do not exceed ten percent (10%) of the original Project Contract amount. Once the field change has been authorized, the Contractor shall forward all applicable documentation within five (5) business days to the UD Project Manager or Project Coordinator. Such field modification shall be followed by a written PA within a reasonable time but before the next invoice period.

2.2.10 Project Amendment (Pa):

The UD retains the right to make changes, in writing, at any time to the Project Contract. If such changes result in a change in cost, completion time, or makes significant changes in methodology, a PA shall be issued by the UD.

- 2.2.10.1 If changes result in an increase or decrease in the established firm, fixed prices, the Contractor shall submit to the UD Project Manager or Project Coordinator, costs associated with the change, detailed to such an extent as to allow the UD sufficient information to evaluate the costs involved.

2.2.10.2 Upon receipt of requested change(s), the UD shall make a determination of acceptance or rejection of the requested change(s) to the Project Contract. The UD shall notify the Contractor, in writing, of rejection; or if accepted, a formal PA shall be issued.

2.2.10.3 Contractors shall not be authorized to proceed with any change(s) under consideration until written approval by the Project Manager or Coordinator, as applicable is received from the UD.

2.3 INVOICES AND PAYMENT:

2.3.1 Contractors may submit monthly invoices, or for an alternative billing cycle, during the performance of a Project to the UD for payment. However, payment shall only be for the amount of work completed and accepted by the UD Project Manager or Project Coordinator for that applicable billing cycle.

In no instance will the amount(s) being invoiced differ from the firm, fixed prices established in the final Project Contract and any subsequent approved written PAs.

2.3.2 The UD shall not be charged for Contractor time needed to bring new Key Personnel to the level of site knowledge of previous Key Personnel. This shall include becoming familiar with the specific characteristics and special requirements of the Project area. If the Contractor replaces Key Personnel, it shall not affect their commitment to meet all schedules and deliverables.

2.3.3 Any overtime and/or double-time must be prior approved, in writing, by the UD if the Contractor anticipates billing the UD for such overtime and/or double-time.

2.3.4 If required by the UD, the Contractor shall:

2.3.4.1 Provide invoices, which itemize individual personnel on the invoice indicating the actual hours worked, the hourly rate, personnel classification, level, and the extended amount of fees being billed.

2.3.4.2 Support all use of capitalized equipment; include actual time for mobilization, set-up (if required) and demobilization.

2.3.4.3 Support all hours worked by detailed time sheet, which outlines the hours worked each day; all charges billed must be relative to the technical task. If the Project entails work by the Contractor at more than one (1) area, the UD may additionally direct the Contractor to report the number of hours worked by area.

2.3.4.4 Provide separate invoices from all subcontractors, rentals, materials, and for all equipment used. Such invoices shall outline the use and/or services worked. Charges billed must be relative to the Project. If the Project entails work by a subcontractor at more than one (1) area, the UD may additionally direct the Contractor to report the additional services worked by area.

2.3.4.5 Provide receipts for all lodging and subsistence with services provided where the Project area is thirty-six (36) or more miles from the intersection of 3rd Avenue and Jefferson Street, Phoenix. The Contractor must provide motel and meal receipts with the invoice. Mileage will only be allowed for the thirty-six (36) miles or more identified above.

2.3.5 All work associated and approved through a PA must be so identified on all invoices.

- 2.3.6 Additional charges for accounting, invoicing, payroll preparation, invoice related copying (copying for deliverables identified in a PSOW is a direct cost), preparation of a PO, etc., are considered an indirect cost and therefore not billable as a separate item. Additional charges to correct and resubmit an invoice are not a billable charge.
- 2.3.7 The Contractor shall certify by original signature that all invoices have been examined, and to the best of the Contractor's knowledge and belief, the reported expenditures are valid, based upon the Contractor's official and auditable accounting records (books of account) and are consistent with the terms of the contract.
- 2.3.8 Payment(s) shall not be construed to be an acceptance of defective work or improper material.
- 2.3.9 Maricopa County shall not be obligated to make final payment until the Contractor has delivered to the UD a certificate and release satisfying that the Project has been completed and that the work is not subject to any unsatisfied lien or claim as a result of the Contractor, that all rights of lien against the County's property have been satisfied and that the Contractor has paid, or shall pay in full, all outstanding obligations against the work upon receipt of final payment.

2.3.10 Stand-By Time:

The Contractor shall not receive any payment whatsoever for standby time (i.e., equipment and labor either on site or held elsewhere and not used in conjunction with the Project) for labor, equipment or materials if such stand-by time is the fault of the Contractor or any subcontractor. Payment shall be made only for equipment, labor, and material actually used with provisions for payment for equipment in transit, portal to portal.

However, stand-by time, if thirty (30) minutes or more, will be an authorized charge if such delays are due to the fault of the UD or any of its agents. Costs for stand-by time may be negotiated between the Contractor and the UD at the time of the PA.

2.3.11 Final Payment:

No later than sixty (60) days after completion of a Project and acceptance by the UD, the Contractor shall submit invoices marked "FINAL" to the UD Project Manager or Coordinator. Failure to submit final invoices within this time frame may result in payments being delayed. However, the sixty (60) day requirement may be extended with the written approval of the UD.

2.4 OVERALL RESPONSIBILITIES:

2.4.1 Overall Responsibilities of the Using Departments:

The Contractor shall agree and understand that each Project shall be supervised by a Project Manager or Project Coordinator furnished by the UD. The Contractor shall report directly to the Project Manager or Project Coordinator and shall agree and understand that the Project Manager or Project Coordinator shall have authority for the following:

- 2.4.1.1 Review of and approval of initial POs and follow-on POs required in the performance of the Project.
- 2.4.1.2 Review of clean-up procedures.
- 2.4.1.3 Review and approval of the use of certain equipment, personnel, materials, services, and/or procedures.
- 2.4.1.4 Hours and days of work.

- 2.4.1.5 Review of safety plans and protocol for compliance with OSHA and other regulations as applicable.
- 2.4.1.6 Stopping work order for safety of the Contractor or the environment or due to violation of safety regulations by the Contractor, the Contractor's personnel, or subcontractors.
- 2.4.1.7 Review of decontamination procedures.
- 2.4.1.8 Review of disposal sites and treatment, technologies for waste generated from clean-ups, and the signing hazardous waste manifests.
- 2.4.1.9 Final interpretation of the work in POs.
- 2.4.1.10 Determination of Project completion.
- 2.4.1.11 Review and approve all invoices submitted for payment.
- 2.4.1.12 After Project completion, acceptance and final payment to the contract, the UD shall submit a Project Completion Report to Maricopa County Materials Management Department, including, but not limited to, identification of the UD, location of the site, contract number(s) (or other number identifying the PO award) issued by UD, synopsis of the effort completed, Project start and completion dates, total amount of initial Project Offer Award, number of PAs with dollar amounts, and identification of specific concerns relating to the satisfactory completion of the work scope.

2.4.2 Overall Responsibilities of the Contractor:

The Contractor shall agree and understand that, as prime Contractor, they shall be responsible for, but not limited to, the following:

- 2.4.2.1 The Contractor shall protect the property of the UD from damage during the duration of any Project. The Contractor shall replace any, or all damaged property at no cost to the UD to the extent caused by the Contractor's negligent acts or willful misconduct.
- 2.4.2.2 The Contractor shall satisfy himself/herself regarding the existing conditions under which he/she shall have to operate in completing the work, or which shall affect the work in any manner. No allowance shall be made subsequently in this regard on behalf of the Contractor for any error or negligence on his/her part.**
- 2.4.2.3 The Contractor shall carefully check all dimensions and conditions at the Project area, and shall be responsible for sufficiently familiarizing themselves with Project area conditions which may affect the work to make a firm-fixed price PO. Any drawings provided by the UD are meant to be utilized as a guide to the building or Project area configurations. All measurements and sizes are approximate, and must be confirmed, to the extent agreed upon by the UD, by the Contractor prior to implementation of the work on the Project.
- 2.4.2.4 The Contractor shall agree and understand that for some Projects the UD may request only a service such as drilling or analysis without a Contractor Project Manager.
- 2.4.2.5 The Contractor shall maintain a complete daily record of all labor, equipment, materials, subcontracted services and expenses, to include mileage, if any, incurred in the performance of the services provided and shall provide the UD such record with all supporting documentation, if so requested in the PSOW.

- 2.4.2.6 The Contractor shall complete all services specified in the Project Offer and any subsequent amendments. However, the Contractor shall agree and understand that completion of such services does not in itself constitute Project completion. The UD shall determine when each Project is complete.
- 2.4.2.7 The Contractor, and any subcontractors utilized by the Contractor, must not be listed on the General Services Administration (GSA), List of Parties Excluded From Federal Procurement and Nonprocurement Programs, which supersedes the List of Debarred, Suspended and Voluntarily Excluded Parties.
- 2.4.2.8 The Contractor shall submit copies of waste shipment records, if applicable, to the UD and County Risk Management.
- 2.4.2.9 **THE CONTRACTOR SHALL SUBMIT A COPY OF ALL FINAL REPORTS AND MANIFESTS TO THE MARICOPA COUNTY RISK MANAGEMENT DEPARTMENT (applies only to Maricopa County projects).**

2.5 COMPLIANCE WITH LAWS:

The Contractor shall agree and understand that all work authorized under the contract must be performed in conformance with ALL APPLICABLE federal, state, and local laws, regulations, and rules in effect at the time services are performed or which are reasonably foreseeable.

2.6 PROFESSIONALS:

The Contractor shall agree and understand that some work requested by the UD may require the performance of a Registered Geologist (R.G.), Professional Engineer (P.E.), or other registered technical professional licensed in the State of Arizona and consistent with the applicable Rules and By-Laws of the Arizona Board of Technical Registration (ABTR) or appropriate licensing agency. Where required, all plans, specifications, reports and other professional documents delivered to the UD must be sealed by such registered professional and must be acceptable to the UD in form, timeliness, contents, and presentation. Confidentiality of information shall be determined in accordance with A.R.S. § 49-205, A.R.S. § 49-201.29, and A.R.S. § 49-1012.2.

2.7 PROFESSIONAL AND FIELD LEVELS:

The following staff or equivalent titles may be required at various Professional and Field Levels as dictated by workload, site conditions, and scopes of work and resultant PSOW. Additional classifications may be included with detailed job descriptions by the Contractor. There will be multiple technical disciplines that will fall under the descriptions of each professional level. A geologist, engineer, or environmental scientist with one (1) year environmental experience would each fall under a Professional Level:

- 2.7.1 Project Manager: With experience in proposal and application of the disciplines as required by the scope of work at various levels.
- 2.7.2 Engineer: With applicable degree, experience, and expertise in design and review, pertinent to Project requirements, which can be validated.
- 2.7.3 Professional Engineer (P.E.): Same qualifications as Engineer. Must be registered in the State of Arizona.
- 2.7.4 Chemical Engineer: With applicable degree, experience, and expertise in design and review, pertinent to Project requirements, which can be validated.
- 2.7.5 Permit Engineer: With applicable degree, experience, and expertise in design and review, pertinent to Project requirements, which can be validated.

- 2.7.6 Air Quality Engineer: With applicable degree, experience, and expertise in design and review, pertinent to Project requirements, which can be validated.
- 2.7.7 Risk Assessor/Toxicologist: With experience that can be validated in Risk Assessment development and/interpretation.
- 2.7.8 Statistician: With experience in probabilistic and deterministic methods.
- 2.7.9 Microbiologist: With experience in bioremediation and/or fungi and bacteria biology and applicable degree that can be validated.
- 2.7.10 Computer Modelers: With experience in:
 - 2.7.10.1 Vadose Zone Fate and Transport Modeling
 - 2.7.10.2 Groundwater Fate and Transport Modeling
 - 2.7.10.3 Contaminant Fate and Transport Modeling
 - 2.7.10.4 Air Emissions Modeling
- 2.7.11 Hydrologist: With degree and experience that can be validated.
- 2.7.12 Geologist: With degree and experience that can be validated.
- 2.7.13 Registered Geologist (R.G.): Same qualifications as Geologist. Must be registered in the State of Arizona.
- 2.7.14 Principal Investigator: For cultural anthropological Projects (cultural research, informant interviews) and Cultural Resource Management Projects (archaeological survey, testing, data recovery, technical research). Experience and knowledge of the history and prehistory of Arizona, and the ethnography of Arizona cultures. Experience developing and executing anthropological research designs (survey, testing, data recovery, technical reporting).

For federal undertakings, ability to meet Secretary of the Interior's Standards; ability to obtain an Archaeological Resources Protection Act (ARPA) Permit; ability to meet the standards of 36 CFR 800 and Sections 106 and 110 of the National Historic Preservation Act of 1966 as amended; ability to meet the provisions of the Native American Graves Protection and Repatriation Act (NAGPRA); and, ability to implement the concepts outlined in National Park Service Bulletin 38 for Traditional Cultural Properties. For state undertakings, ability to obtain and satisfy all requirements of an Arizona Antiquities Act Permit from the Arizona State Museum (ASM); and ability to meet all provisions of the State Historic Preservation Act in consultation with the Arizona State Historic Preservation Officer (SHPO) and interested parties.
- 2.7.15 Anthropological or Archaeological Research Staff: Proven experience executing anthropological research designs or archaeological research designs (survey, testing, data recovery, technical reporting) under the direction of a Principal Investigator. Anthropological or archaeological field school; or completion of a recognized certification program; or a Bachelor's degree in Anthropology/Archaeology; or a related degree which demonstrates an ability to conduct research using appropriate scientific and cultural methods. A Master's degree in Anthropology/Archaeology may be required for certain positions or tasks.
- 2.7.16 Environmental Scientist: With degree and experience that can be validated.

- 2.7.17 Inspector/Project Manager - Asbestos Assessment: With experience in Project management of asbestos assessment Project. Meets training requirements under OSHA 29 CFR 1926.1101, Asbestos.
- 2.7.18 Competent Person/Project Site Manager - Asbestos Abatement: With experience in Project management of asbestos abatement Projects. Meets training requirements under OSHA 29 CFR 1926.1101, Asbestos.
- 2.7.19 Asbestos Abatement Workers: With experience in asbestos assessment and abatement work. Meets training requirements under OSHA 29 CFR 1926.1101, Asbestos.
- 2.7.20 Industrial Hygienist: This is a professional qualified by education, training, and experience to anticipate, recognize, evaluate, and develop controls for occupational health hazards.
- 2.7.21 Certified Industrial Hygienist (C.I.H.): Same qualifications as an Industrial Hygienist but who, in addition, is also certified in the comprehensive practice of industrial hygiene by the American Board of Industrial Hygiene.
- 2.7.22 Chemist: With degree and experience that can be validated.
- 2.7.23 Biologist/Wildlife Biologist: With degree and experience that can be validated.

2.8 DATA AND DOCUMENT MANAGEMENT:

- 2.8.1 The Contractor shall furnish the personnel, services, materials, and equipment required to provide manual and automated storage, search, retrieval, and other management of data collected in the course of any activity undertaken pursuant to the contract, and other data specified by the UD. This data may include facility descriptions, coordinates and elevations of sampling stations and features of sites, results of environmental measurements, hazard characteristics, target receptors, cleanup Project schedules, costs, obligation and outlay Projections, other financial information, and mailing lists.
- 2.8.2 The principal sources for the data are the following types of activities site assessment, investigation, characterization, and/or feasibility study. The data may be used in remedial planning and implementation activities, or in support of legal proceedings. Information/reports provided to the UD shall be in accordance with instructions and format specified or approved by the UD.
- 2.8.3 Any data which the UD has title to or which is requested to be reported by the PSOW will be reported to the UD according to the following standards for media, contents and format:
 - 2.8.3.1 Unless required by the PSOW, the Contractor shall provide data on the following electronic media: CDROM or other storage medium in a format (PDF, HTML, ASCII, Access, etc.) specified by the UD.
- 2.8.4 If required by the PSOW, the Contractor shall provide data in the form of a written report.
- 2.8.5 If required by the PSOW, the Contractor shall provide raw laboratory data in electronic format as described elsewhere within this document.
- 2.8.6 **One copy of the data/report shall be provided to Maricopa County Risk Management for central record-keeping purposes and to monitor the County's exposure to environmental liability (applies only to Maricopa County projects).**

2.9 GEOGRAPHIC DESCRIPTORS:

Listed below are geographic descriptors to be used:

- State Plane Y coordinate In feet. Note State Plane zone
- State Plane X coordinate In feet. Note State Plane zone

OR

- Latitude Decimal degrees to 8 places
- Longitude Decimal degrees to 8 places

AND

- Datum NAD27 or NAD83
- Method Either differential GPS or
standard survey protocol
- Altitude/Elevation Feet Above Mean Sea Level
- Cadastral location Township, Range, Section
1/4, 1/4, 1/4
- Well identification Arizona Department of Water Resources(ADWR)
- Well Registration Number and Arizona Department of Environmental
Quality (ADEQ)
Identification Number, if available
- Well Construction Information Including but not limited to depth,
screened interval, diameter, use,
water levels and material of
construction

2.10 SAMPLE AND ANALYSIS DESCRIPTORS:

2.10.1 Listed below are sample and analysis descriptors to be used:

- sample identifier (number unique to sample location)
- numerical results
- standard units
- sampled chemical
- STORET code
- date of sample collection
- analyzing laboratory
- date sample analyzed
- sample collector
- detection limits
- laboratory qualifiers
- analytical method.

2.10.2 Confidentiality of information shall be determined in accordance with A.R.S. § 49-205, A.R.S. § 49-201.29 and A.R.S. § 49-1012.

2.11 COMMUNITY RELATIONS:

2.11.1 The Contractor may be required to furnish the personnel, services, materials, and equipment required to assist the UD in conducting a community relations program. The Contractor understands that the purpose of a community relations program is to encourage two-way communications between communities affected by the Project and the County. Community relations must be integrated closely with all response activities. The objectives of this effort are to achieve community understanding of the actions taken by the UD, to obtain community input, and to seek the concurrence of the community for the selected activity.

2.11.2 Community relations support may include, but is not limited to, the following:

- Preparation of a community relations plan
- Solicitation of, and, upon UD concurrence, selection of Community Relations subcontractors, if needed
- Analysis of community attitudes toward proposed actions
- Definition of community relations program needs for each remedial activity
- Documentation of all contacts with the public when directed by the UD Project Manager or Coordinator, as applicable
- Development of community mailing lists
- Preparation, subject to UD approval, duplication and distribution of news releases, fact sheets, slide shows, exhibits, and other audiovisual materials designed to apprise the community of current and proposed actions
- Establishment of community information centers
- Arrangement of briefings, press conferences, workshops, and public hearings
- Preparation of reports and participation in Project review meetings.

2.12 OUT-OF-STATE PERSONNEL:

Written approval of the UD shall be obtained by the Contractor prior to importing the services of out-of-state personnel in conjunction with a PSOW for any billable expense other than the hourly rate.

2.13 CULTURAL RESOURCE STUDIES:

Cultural Resource Management consultants must obtain an Arizona Antiquity Act Permit from the Arizona State Museum (ASM) per ARS § 41-841 et seq., and the rules and regulations of the Arizona State Museum as amended. Individuals, corporations and agencies must consult with ASM regarding discoveries of human remains or associated funerary objects. Individuals, corporations and agencies must comply with the Discovery Clause, ARS § 41-844 A.

These services may be provided by in-house staff personnel or a subcontractor. OSHA training may be a requirement for archaeological services as indicated in the Contractor's Health and Safety Plan or as specified in the UD PSOW.

2.14 TECHNICAL OVERSIGHT:

If required by the UD, the Contractor may provide services in support of the investigation, planning, compliance, and cleanup activities of the UD sites. These services, if required, shall include field and office oversight of investigations and cleanups. These services may involve UD case file reviews. The Contractor shall perform these oversight investigations and suggest corrective actions with respect to environmental issues covered in the PSOW and pursuant to the existing provisions of the Arizona Revised Statutes, Department policies and guidelines, and all applicable federal, state, and local laws, ordinances, and regulations. The Contractor shall conform to OSHA regulations for health and safety of employees, as applicable.

2.15 OSHA/EPA SAFETY TRAINING:

All technical staff performing field duties (including subcontractor field personnel) in areas of potential contamination must receive appropriate training as specified by the OSHA and/or EPA. This training addresses knowledge and skill necessary to perform hazardous waste cleanup operations with minimal risk to personnel health and safety. OSHA specifications for this training are covered in CFR 29 CFR 1910.

2.16 DEFINITIONS:

Following are definitions as used in any resultant contract:

2.16.1 Administrative (Indirect) Costs:

Means those reasonably considered as the costs of doing business; typically recognized administrative costs are preparation of PO or changes, accounting, invoicing, bonding, payroll preparation, motor pool costs, office materials, supplies, telephone calls (local and/or long-distance), and other related administrative activities.

2.16.2 ADEQ Guidance Cleanup Levels (AGCLs):

Means the pre-determined risk-based clean-up levels or standards as developed by the ADEQ.

2.16.3 Area:

Means the geographical location defined within the PSOW.

2.16.4 Asbestos:

This includes chrysolite, amosite, crocidolite, tremolite asbestos, anthophyllite asbestos, actinolite asbestos, and any of these minerals that have been chemically treated and/or altered.

2.16.5 Asbestos Containing Material (ACM):

Any material that contains more than one percent (1%) asbestos as one of its components. Asbestos fiber may be found in vinyl or resilient floor coverings, drywall, roofing felts and ceiling tiles, cement pipe, cement sheet, and shingle. Asbestos fiber may be a component in gaskets and packing, in reinforced plastic molding compounds, in coatings and sealants, and in friction products, including brake linings, clutch facings, and industrial linings for equipment and appliances. For purposes of the OSHA Asbestos Standards, any thermal system insulation (TSI), sprayed-on or troweled-on surfacing materials, or vinyl/asphaltic flooring materials in building constructed prior to 1981 are presumed to be ACMs, unless proven otherwise by testing.

2.16.6 Background:

Means the concentration of a naturally-occurring contaminant in like lithology and soils within close proximity to, but not affected by, a release.

2.16.7 Best Management Practices (BMPs):

Shall have the meaning as contained in A.R.S. § 49-201(3) and any definition shown herein is superseded by the current statutory definition.

2.16.8 Competent Person:

For general purposes of this RFQ: One who is knowledgeable about construction safety and health and, through training and certification, is capable of identifying existing asbestos hazards in the workplace. A competent person has expertise to select the appropriate strategies for controlling exposure to asbestos and the authority to take prompt corrective measures to eliminate the hazards. This person has to be specially trained in a course which meets the criteria of EPA's Model Accreditation Plan, or equivalent, for project designer or contractor/supervisor, and/or must be trained in an EPA O&M course, or equivalent, dependent upon the type of work. The competent person must receive annual refresher training to maintain certification. The term "Competent person" shall also apply to all other OSHA-defined situations.

2.16.9 Conflicting Party:

Shall be defined as any person who may be responsible under any state or federal law for pollutants which are present in, or threaten, the Project area defined within the PSOW.

2.16.10 Contaminant:

Means a substance, which is known or suspected to have an adverse impact on human health or the environment when released, emitted, discharged, or spilled into the environment.

2.16.11 Cost Effectiveness/Fair Market Price:

Means a price based on reasonable costs under normal competitive conditions or as otherwise determined in the best interests of the County, is technically feasible for design and implementation including operation and maintenance over the period of reasonably expected human and environmental exposure to such substances, and is not based solely on lowest possible cost.

2.16.12 Deterministic Risk Assessment Methodology:

Means a point-specific risk assessment. In the equation used to calculate risk, each parameter of exposure and toxicity is a single point estimate for each receptor evaluated (i.e., lifetime resident, adult resident, or young child resident). Upper-bound values are generally used in the risk calculation and the resulting risk estimate is likely to overstate the actual risk to any one individual.

2.16.13 Essential Equipment:

Equipment, as identified by the Contractor in their proposal, is equipment the Contractor has determined as essential for completion of the applicable Scope of Work.

2.16.14 Person:

Shall have the meaning as contained in A.R.S. § 49-201 and any definition shown herein is superseded by the current statutory definition.

2.16.15 Pollutant:

Shall have the meaning as defined in A.R.S. § 49-201 to mean fluids, contaminants, toxic wastes, toxic pollutants, dredged soil, solid waste, substances and chemicals, pesticides, herbicides, fertilizers, other agricultural chemicals, incinerator residue, sewage, garbage, sewage sludge, munitions, petroleum products, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, mining wastes, industrial wastes, municipal wastes, agricultural wastes, or any other liquid, solid, gaseous or hazardous substances.

2.16.16 Probabilistic Risk Assessment Methodology:

Means substituting probability distributions for the point estimate input variable in the equations used to calculate exposure dose and risk. The resulting distribution provides a full characterization of risk and corresponding risk percentiles for all exposure levels.

2.16.17 Project Scope of Work (PSOW):

Is a scope of proposed work for a specific site or Project, with other relevant additional information and requirements such as site descriptions and additional invoicing requirements, prepared by the UD to obtain an offer from the Contractor of a firm-fixed price to perform the work, their methodology of approach, Key Personnel to be assigned, any other factors or details requested, and when applicable, proposed cost savings or proven technical innovations.

2.16.18 Project Offer (PO):

Is an offer prepared by the Contractor in response to a PSOW from a UD.

2.16.19 Project:

Is the formal written acceptance, with any negotiated changes, of the Contractor's PO.

2.16.20 Project Amendment (PA):

Is a formal written change, i.e., "change order," to a Project, negotiated between the Contractor and UD, which represents a material change in scope, price, or time.

2.16.21 Regulated Substance:

Shall have the meaning as contained in A.R.S. § 49-1001(14) and any definition shown herein is superseded by the current statutory regulation. (Regulated substances means: (a) petroleum, (b) a substance specified in the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, but not including a substance regulated as a hazardous waste under the Solid Waste Disposal Act of 1984).

2.16.22 Remediation or Remedial Action:

Shall have the meaning as contained in A.R.S. § 49-151 and/or A.R.S. § 49-281 and/or the National Contingency Plan (NCP), Section 101(24) of CERCLA as applicable.

2.16.23 Risk Assessment:

Shall mean a scientific evaluation of the risk to human health and/or the environment from the exposure to a specific type and concentration of contaminant. A risk assessment contains four components: identification of potential chemicals of concern; an exposure assessment; a toxicity assessment; and a risk characterization. The methodologies to perform or evaluate a risk/assessment shall be deterministic, probabilistic, or an alternative methodology commonly accepted in the scientific community.

2.16.24 Site:

Shall have the meaning as contained in the applicable section and chapter of the ARS, Title 49, The Environment, for any portion of any work within the scopes of work in this contract.

2.16.25 Underground Storage Tank (UST):

Shall have the meaning as contained in A.R.S. § 49-1001(18) and any definition shown herein is superseded by the current statutory definition. (UST means a tank or combination of tanks and underground pipes connected to tanks being used or having been used to contain regulated substances and which has at least ten percent (10%) of the total volume of the tank and underground portions of pipes connected to the tank underground. Exceptions to this definition are listed in the statutory regulation.)

2.16.25.1 UST Closure: The removal of an UST from operation.

2.16.25.2 Corrective Actions: The meaning as contained in A.R.S. § 49-1001 and 40 CFR, Part 280.60 through and including 40 CFR, Part 280.67 and any definition shown herein is superseded by the current statutory definition. (Corrective actions may include the use of biostimulation and indigenous microbes and bioaugmentation using microbes that are non-pathogenic, non-opportunistic, and that are naturally occurring.)

2.17 EQUIPMENT:

- 2.17.1 Essential equipment, as identified by the Contractor in their proposal, may be added to the equipment list at any time, on a case-by-case basis. Additions shall have prior written approval by the County, with concurrence of any applicable UD. Other Contractors on the County Qualified Lists may be contacted to add like equipment to their equipment list.
- 2.17.2 Should the County and/or any UD require the Contractor to procure additional specialized equipment for performance of the proposed work in a PSOW, the cost associated with procurement of the equipment and the anticipated charges to the UD shall be itemized in the PO.

All equipment with capitalized costs of \$500.00 or more purchased entirely with County funds becomes the property of the County as a fixed asset with all rights to ownership and shall be accounted for upon completion of the Project work. The County reserves the right to purchase the said equipment separately and allow the Contractor use of County equipment to accomplish performance of the work. The Contractor shall provide the County Procurement Office and the UD copies of three (3) competitive offers along with the actual billing receipt for any and all equipment purchased under this provision.

2.18 TIME AND MATERIAL SUBCONTRACTS:

To the maximum extent possible, additional work for a Contractor's subcontractor shall be firm-fixed price.

- 2.18.1 However, it is recognized that there are those rare instances where a time and material subcontract may be required. Time and materials sub-contracts shall only be used in those unique circumstances where the nature and extent of services required cannot be established in advance, and the use of firm-fixed price POs and Contracts would clearly result in greater risks and costs and provide no contractual advantage to the UD and Maricopa County. In order to maintain control of the use of a time and materials subcontract, the following mandated guidelines shall be utilized by both Contractors and UDs:

- 2.18.1.1 All time and materials subcontracts shall require the prior written approval of the County.
- 2.18.1.2 A fixed fee for subcontractor work shall be established between the County and the Contractor.
- 2.18.1.3 Hourly rates for services shall be firm-fixed price.
- 2.18.1.4 All capitalized equipment shall be firm-fixed price.
- 2.18.1.5 The County must insure that the UD is receiving the most favorable price for the unanticipated services. Therefore, Contractors shall provide written evidence of most favorable price. This could be accomplished by the use of competitive written bids, proposals or any other means to provide such evidence, or approved by the County Procurement Administrator and the assigned contract administrator within the County Procurement Office.
- 2.18.1.6 A not-to-exceed (NTE) cost, including the subcontractor fixed fee, shall be established by the UD and the Contractor which shall not be exceeded without the prior written approval of the County Procurement Administrator and the assigned Contract Administrator within the County Procurement Office.

- 2.18.1.7 The UD, in conjunction with the Contractor, shall provide a written statement establishing justification as to why no other contract type, other than time and materials, is practicable for this PSOW.
- 2.18.1.8 A specific individual shall be identified by the Contractor as a key contact with responsibility to monitor performance of the work. This individual shall be available for providing written and oral subcontract status to any inquiring Department, during normal work hours, Monday through Friday.
- 2.18.1.9 Invoices from the Contractor shall include copies of all subcontractor invoices and be specifically itemized for easy identification and verification.
- 2.18.1.10 The Contractor shall submit, directly to the County Procurement Office, or its assigned Contract Administrator, a monthly status report detailing the status of each time and material subcontract, including, but not limited to, a description of the effort completed, a schedule of remaining work to be completed, a statement as to the percentage of work completed, amount invoiced to date, the prior approved NTE cost and identification of specific concerns relating to the satisfactory completion of the PSOW.

3.0 **SPECIAL TERMS & CONDITIONS:**

3.1 **CONTRACT LENGTH:**

This Request for Proposal is for awarding a firm, fixed price purchasing contract to cover a five (5) year period.

3.2 **OPTION TO EXTEND:**

The County may, at their option and with the approval of the Contractor, extend the period of this Contract up to a maximum of FIVE(5), one (1) year options. The Contractor shall be notified in writing by the Materials Management Department of the County's intention to extend the contract period at least thirty (30) calendar days prior to the expiration of the original contract period.

3.3 **INDEMNIFICATION AND INSURANCE:**

3.3.1 **Indemnification.**

To the fullest extent permitted by law, Contractor shall defend, indemnify, and hold harmless the County, its agents, representatives, officers, directors, officials, and employees from and against all claims, damages, losses and expenses, including but not limited to attorney fees and costs, relating to this Contract.

The amount and type of insurance coverage requirements set forth herein will in no way be construed as limiting the scope of the indemnity in this paragraph.

The scope of this indemnification does not extend to the negligence of the County.

3.3.2 **Insurance Requirements.**

Contractor, at its own expense, shall purchase and maintain the herein stipulated minimum insurance with companies duly licensed, possessing a current A.M. Best, Inc. Rating of B++6, or approved unlicensed companies in the State of Arizona with policies and forms satisfactory to the County.

All insurance required herein shall be maintained in full force and effect until all work or service required to be performed under the terms of the Contract is satisfactorily completed and formally accepted. Failure to do so may, at the sole discretion of the County, constitute a material breach of this Contract.

The Contractor's insurance shall be primary insurance as respects the County, and any insurance or self-insurance maintained by the County shall not contribute to it.

Any failure to comply with the claim reporting provisions of the insurance policies or any breach of an insurance policy warranty shall not affect coverage afforded under the insurance policies to protect the County.

The Contractor shall be solely responsible for the deductible and/or self-insured retention and the County, at its option, may require the Contractor to secure payment of such deductibles or self-insured retentions by a surety bond or an irrevocable and unconditional letter of credit.

The County reserves the right to request and to receive, within ten (10) working days, certified copies of any or all of the herein required insurance policies and/or endorsements. The County shall not be obligated, however, to review such policies and/or endorsements or to advise Contractor of any deficiencies in such policies and endorsements, and such receipt shall not relieve Contractor from, or be deemed a waiver of the County's right to insist on strict fulfillment of Contractor's obligations under this Contract.

The insurance policies required by this Contract, except Workers' Compensation **and omissions and errors/professional liability**, shall name the County, its agents, representatives, officers, directors, officials and employees as Additional Insureds.

The insurance policies required hereunder, except Workers' Compensation, shall contain a waiver of transfer of rights of recovery (subrogation) against the County, its agents, representatives, officers, directors, officials and employees for any claims arising out of Contractor's work or service.

3.3.2.1 Commercial General Liability. Contractor shall maintain Commercial General Liability insurance with a limit of not less than \$1,000,000 for each occurrence with a \$2,000,000 Products/Completed Operations Aggregate and a \$2,000,000 General Aggregate Limit. The policy shall include coverage for bodily injury, broad form property damage, personal injury, products and completed operations and blanket contractual coverage including, but not limited to, the liability assumed under the indemnification provisions of this Contract which coverage will be at least as broad as Insurance Service Office, Inc. Policy Form CG 00 01 10 93 or any replacements thereof.

The policy shall contain a severability of interest provision, and shall not contain a sunset provision or commutation clause, or any provision which would serve to limit third party action over claims.

The Commercial General Liability additional insured endorsement shall be at least as broad as the Insurance Service Office, Inc.'s Additional Insured, Form CG 20 10 11 85, and shall include coverage for Contractor's operations and products and completed operations.

If the Contractor subcontracts any part of the work, services or operations awarded to the Contractor, Contractor shall purchase and maintain, at all times during prosecution of the work, services or operations under this Contract, an Owner's and Contractor's Protective Liability insurance policy for bodily injury and property damage, including death, which may arise in the performance of the Contractor's work, service or operations under this Contract. Coverage shall be on an occurrence basis with a limit not less than \$1,000,000 per occurrence, and the policy shall be issued by the same insurance company that issues the Contractor's Commercial General Liability insurance.

3.3.2.2 Automobile Liability. Contractor shall maintain Automobile Liability insurance with an individual single limit for bodily injury and property damage of no less than \$1,000,000, each occurrence, with respect to Contractor's vehicles (whether owned, hired, non-owned), assigned to or used in the performance of this Contract.

3.3.2.3 Workers' Compensation. The Contractor shall carry Workers' Compensation insurance to cover obligations imposed by federal and state statutes having jurisdiction of Contractor's employees engaged in the performance of the work or services, as well as Employer's Liability insurance of not less than \$1,000,000 for each accident, \$1,000,000 disease for each employee, and \$1,000,000 disease policy limit.

If any work is subcontracted, the Contractor will require Subcontractor to provide Workers' Compensation and Employer's Liability insurance to at least the same extent as required of the Contractor.

3.3.2.4 Omissions and Errors./Professional Liability. The Contractor retained by the County to provide the work or service required by this Contract will maintain Omissions and Errors/Professional Liability insurance covering errors and omissions arising out of the work or services performed by the Contractor or any person employed by the Contractor, with a limit of not less than ~~\$10,000,000~~ **\$1,000,000.00 (or as requested in the project offer)** each claim.

3.3.3 Certificates of Insurance.

3.3.1 Prior to commencing work or services on any PROJECT under this Contract, Contractor shall furnish the County with certificates of insurance, or formal endorsements as required by the Contract in the form provided by the County, issued by Contractor's insurer(s), as evidence that policies providing the required coverage, conditions and limits required by this Contract are in full force and effect. Such certificates shall identify this contract number and title.

If a policy does expire during the life of the Contract, a renewal certificate must be sent to the County fifteen (15) days prior to the expiration date.

3.3.4 Occurrence Basis.

All insurance required by this contract shall be written on an occurrence basis, or an a claims-made basis with such claims-made coverage extending for two (2) years past completion and acceptance of Contractors work or service and as evidenced by annual Certificates of Insurance.

3.3.5 Cancellation and Expiration Notice.

Insurance required herein shall not be permitted to expire, be canceled, or materially changed without thirty (30) days prior written notice to the County.

3.4 REQUIREMENT OF CONTRACT BOND:

Depending on the individual project, the Contractor may be required to furnish the Contracting Agency the following bonds, which shall become binding upon the award of the contract to the Contractor.

- (A) A Performance Bond equal to the full Contract amount (or as specified) conditioned upon the faithful performance of the Contract in accordance with plans, specifications and conditions thereof. Such bond shall be solely for the protection of the Contracting Agency awarding the Contract.

- (B) A Payment Bond equal to the full contract amount solely for the protection of claimants supplying labor and materials to the Contractor or his Subcontractors in the prosecution of the work provided for in such Contract.

Each such bond shall include a provision allowing the prevailing party in a suit on such bond to recover as a part of his judgment such reasonable attorney's fees as may be fixed by a judge of the court.

Each bond shall be executed by a surety company or companies holding a certificate of authority to transact surety business in the State of Arizona issued by the Director of the Department of Insurance. The bonds shall not be executed by an individual surety or sureties. The bonds shall be made payable and acceptable to the Contracting Agency. The bonds shall be written or countersigned by an authorized representative of the surety who is either a resident of the State of Arizona or whose principal office is maintained in this state, as by law required, and the bonds shall have attached thereto a certified copy of the Power of Attorney of the signing official. In addition, said company or companies shall be rated "Best-A" or better as required by the Contracting Agency, as currently listed in the most recent Best Key Rating Guide, published by the A.M. Best Company.

E3-1.0 ENVIRONMENTAL SITE ASSESSMENT \ SITE INVESTIGATION:

The Contractor shall have the ability to perform site assessments, site investigations, UST discovery, initial response and abatement (including UST removal), and Leaking Underground Storage Tank (LUST) site characterization including preliminary assessment and site investigation. The Contractor may assist the UD in meetings and negotiations with regulators, property owners, potential responsible parties, and other interested parties, including the general public.

E3-1.1 SITE ASSESSMENT (PHASE I):

The Contractor shall have the ability to perform site assessment(s) as required. Site assessments will be conducted according to American Society for Testing and Materials (ASTM) standard E1527-00 (or most current), which includes review of available documentation/information including but not limited to the following:

E3-1.1.1 Chain Of Title Search:

Review, and/or conduct as necessary, a 50-year chain of title search for previous owners, including but not limited to all deed easements, leases, liens, and covenants as requested by Project Coordinator.

E3-1.1.2 Aerial Photograph Review:

Review current and historical aerial photographs of the property and surrounding area within an appropriate radius.

E3-1.1.3 Facility Records Review:

Review available facility records, including but not limited to, site plans and as-builts, permits, notices of violations, reports, and analytical sampling results.

E3-1.1.4 Federal, State, Local Records Review:

Identify all applicable regulations and review records of appropriate regulatory agencies, including but not limited to, the EPA, ADEQ, ADWR, Maricopa County Environmental Services, local agencies, and fire departments.

E3-1.1.5 City Directory Review:

Review available city directories for information relating to current and past occupants of the site and adjacent properties.

E3-1.1.6 Sanborn Map Review:

Review available Sanborn (or similar) Fire Insurance Maps for information relating to current and past occupants of the site and adjacent properties.

E3-1.1.7 Geological/Hydrological/Climatic Report And Map Review:

Review geological and hydrogeological reports, records, and maps for information relating to the site and adjacent properties. Assess available data for area geology, soils, aquifers, surface water, and climate.

E3-1.1.8 Field Inspection:

Conduct a field inspection to determine if environmental contamination by hazardous materials, petroleum products, or other pollutants has potentially occurred. Identify presence of groundwater wells, hazardous material storage areas, underground storage tanks, septic systems, sumps, dry wells, areas of disposal, surface impoundments, and any other means potentially used for disposal of pollutants.

E3-1.1.9 Well Inventory:

Conduct a well inventory of the site and surrounding area as required, to include but not be limited to, well location, depth, diameter, use, current and historical water levels, and groundwater quality data.

E3-1.1.10 Interviews:

Conduct interviews to obtain information concerning the site with, but not limited to, current and former employees, tenants, and owners of the site and adjacent properties.

E3-1.1.11 Report:

Document findings in a complete and concisely organized report within the times specified in the Project. The report shall include recommendations regarding further investigations at the site. The report shall contain a statement indicating it meets or exceeds the requirements of ASTM E1527-00 (or most current). The Contractor shall furnish the UD the requested number of hard copy and electronic media reports. The Contractor shall provide one additional electronic copy to Risk Management for record keeping purposes.

E3-1.2 SITE INVESTIGATION (PHASE II):

The Contractor shall have the ability to perform a detailed site investigation as required. The purpose of the site investigation is to determine the nature and extent of contamination at the site. The site investigation may include, but not be limited to:

- Characterization and description of soils, groundwater, surface water, air, construction material (e.g., lead-based paint), and/or other affected environmental media with respect to location, nature, extent, and rate of migration of contamination sources and their proximity to potentially impacted receptors
- Characterization of the hydrogeologic setting to determine the most likely contaminant migration pathways and physical features which could potentially affect remedial solutions
- Gathering of data and information to the extent necessary and sufficient to quantify risk to public health and the environment and support the development and evaluation of viable remedial alternatives.

The site investigation may include, but not be limited to, the following:

E3-1.2.1 Work Plans:

Prepare detailed work plans as required, including, but not limited to, the following, Sampling and/or Analysis Plan, Quality Assurance Project Plan (QAPP), and Health and Safety Plan. All plans shall comply with applicable federal and state requirements in effect at the time services are performed or which are reasonably foreseeable.

E3-1.2.2 Investigative Measures:

Conduct subsurface drilling, groundwater/vadose zone well installation, aquifer and well testing, geophysical surveys, sample collection from various media, and soil vapor studies.

E3-1.2.3 Monitoring And Sampling:

Provide physical and chemical analysis of samples of air, gas, waste, soil or other solid material, and water or other liquid material through an Arizona Department of Health Services (ADHS) licensed/certified laboratory and/or mobile laboratory meeting the capabilities under A.R.S. § 36-495 et. seq. and the rules promulgated therein. Provide interpretations and reports describing the analytical data in a format specified. Implement document control and chain-of-custody procedures.

E3-1.2.4 Data Assessment And Presentation:

Prepare, assess, and present data using, but not limited to, the following: Geographic Information Systems (GIS); CADD (release as required by UD); and analytical and/or numeric models for tracking, flow, fate, and transport of contaminants through various environmental media.

E3-1.2.5 Report:

Document findings in a complete and concisely organized report within the times specified in the Project Contract. The report shall include recommendations regarding further actions at the site. The Contractor shall furnish the UD the requested number of hard copy and specified electronic media reports. The Contractor shall provide one additional copy to Risk Management for record keeping purposes.

E3-1.2.6 Agency Coordination:

Provide the personnel services, materials, and equipment to assist UD in coordinating with appropriate federal, state and local agencies, responsible parties and their agents, public interest groups, the media, and public notifications and meetings.

E3-1.3 UST/LUST SITE ASSESSMENT:

The Contractor shall agree and understand that all work authorized under the contract must be performed in conformance with ALL applicable federal, state, and local laws, regulations, and rules in effect at the time services are performed or which are reasonably foreseeable including, but not limited to the following: Underground Storage Tank Rules, and all statutory requirements included within A.R.S. Title 49 - The Environment, A.R.S. Title 45 - Waters, and A.R.S. Title 41 - State Government (Administrative Code).

E3-1.3.1 Site Discovery:

The Contractor shall have the ability to perform site discovery as required by the UD. The purpose of site discovery is to identify UST sites that may have or are potentially causing degradation, destruction, loss of or threat to air, land, and/or waters of the State resulting from a release of a regulated substance to the environment. This may include, but is not necessarily limited to the initial discovery of materials covered in the remaining scopes of work. Site discovery may include any or all of the following tasks:

E3-1.3.1.1 Review of available historical records including but not limited to:

- Historic and current telephone and business directories
- Aerial photographs
- Plat maps
- Chains-of-title/ownership
- Lease records
- Inventory records
- Other records as necessary or required.

E3-1.3.1.2 Preliminary site reconnaissance including but not limited to:

- Off-site visual surveys documentation using photography or video
- Documentation of visual handling and/or disposal practices
- Documentation of visible soil staining
- All others requested.

E3-1.3.1.3 Report documenting site discovery findings in a complete and concisely organized draft and/or final report(s) to the UD and Risk Management within the times specified in the contract. This report shall include descriptive analysis of findings, including scaled drawings, copies of pertinent records, all laboratory data, etc.

E3-1.3.2 Initial Response And Abatement:

The Contractor shall furnish the personnel, services, materials, and equipment required to conduct any appropriate initial actions in order to minimize the hazards associated with LUSTs and to prevent further contamination of adjacent soil and water by petroleum releases.

E3-1.3.2.1 The Contractor shall determine the necessity for and type of initial response measures by performing an initial site inspection and by reviewing available information sources. Sources of information include visual observation, files of the UST owner and operator, files of local, state, and federal authorities, local hydrogeological and meteorological records, discussions with area residents, and other sources as appropriate.

E3-1.3.2.2 Initial abatement and corrective actions may include, but are not limited to:

- Recovery of free product; closure of USTs and associated piping and equipment
- Sampling of public and private water supply wells and surface water
- Providing alternative water sources
- Measurement and abatement of explosive and toxic vapors
- Removal, transportation, storage, treatment, and disposal of contaminated materials.

E3-1.3.2.3 The Contractor shall report, as required by the UD, the actions planned and/or authorized to initially abate and address the UST release.

E3-1.3.3 Site Investigation/Site Characterization:

In accordance with the most current ADEQ LUST Site Characterization Guidance Document or currently applicable guidelines, the Contractor shall conduct the necessary actions to fully define the lateral and vertical extent of subsurface contamination.

E3-1.3.3.1 The Contractor shall have the ability to perform a detailed Site Investigation (SI) as required by the UD. The purpose of the SI is to determine the nature and extent of contamination in any and all affected environmental media at the site. The nature of this task shall include, but may not be limited to:

- Characterization and description of the soils, groundwater, surface water, air, or any other affected environmental media with respect to location, nature, extent and rate of migration of contamination sources and their proximity to potentially impacted receptors

- Characterization of the hydrogeologic setting to determine the most likely contamination pathways and physical features that could affect potential corrective actions
- The gathering of data and information to the extent necessary and sufficient to quantify risk to public health and the environment and which supports the development and valuation of viable corrective alternatives in the Feasibility Study.

E3-1.3.3.2 The SI may require the completion of any or all of the following tasks using any or all methods described below:

E3-1.3.3.2.1 Work Plans: The Contractor shall have the ability to develop detailed work plans describing the required SI activities.

E3-1.3.3.2.2 Site Specific Sampling and/or Analysis Plan(s): Such a plan shall be prepared in conformance with the County/ADEQ Quality Assurance Project Plan which shall describe details relating to, but not limited to:

- Sampling objectives and rationale
- Sampling locations, numbers, and frequency
- Sample acquisition methods and procedures including equipment specification
- Site characterization methods
- Analytical methods and procedures
- Data evaluation.

E3-2.3.3.2.3 Site Specific QAPP(s): shall describe details of the following:

- Data quality objectives
- Sample collection and sampling quality control procedures
- Sample custody and documentation procedures
- On-site and off-site analytical methods and quality control procedures
- Data quality management procedures
- Quality assurance oversight procedures.

E3-1.3.3.2.4 Site Specific Health and Safety Plan(s): Conforms to OSHA (reference 29 CFR, Part 1910) and EPA recommended standards (per CERCLA and/or RCRA) which shall include, but are not limited to, the following details:

- Contractor's health and safety policies and responsibilities
- Employees' responsibilities
- Personal protective equipment capabilities, including respiratory protection program
- Standard work practices
- Medical monitoring program for field personnel
- Exposure monitoring program for field personnel
- Health and safety program documentation and record-keeping
- Training program for personnel.

E3-1.3.3.2.5 Investigative Methods: The Contractor shall have the ability to perform site investigations using all or some of the following resources:

- Subsurface drilling
- Groundwater/vadose zone well installation
- Aquifer and well testing
- Geophysical methods
- Environmental sample collection
- Data assessment and presentation
- Report submittal.

E3-1.3.3.2.6 Subsurface Drilling: Subsurface drilling capabilities including but not limited to:

- Hollow-stem auger (including angle borings)
- Direct mud rotary, air rotary, air rotary with casing driver
- Dual wall reverse circulation
- Dual wall percussion
- Reverse circulation rotary
- Resonant sonic
- Direct push methods
- Any other commercially available method.

E3-1.3.3.2.7 Groundwater/Vadose Zone Well Installation: Groundwater/vadose zone well installation and completion or maintenance capabilities including but not limited to:

- Well development (bailing, pumping / overpumping / back-washing, surge block, air surge, airlift pumping or other available methods)
- Well abandonment procedures (cementing/ grouting)
- Well rehabilitation (redevelopment, screen replacement, chemical treatment).

E3-1.3.3.2.8 Aquifer and Well Testing: Aquifer and well testing capabilities and personnel with experience and expertise to perform and interpret information including but not limited to:

- Pumping tests performed on wells completed in a variety of aquifer conditions
- Variable discharge tests
- Recovery tests
- Well-performance tests
- Slug tests.

E3-1.3.3.2.9 Geophysical Methods: The Contractor shall have geophysical survey capabilities, and personnel with experience and expertise to perform and interpret and evaluate information that shall include but not be limited to:

- Seismic methods
- Reflection methods
- Refraction methods
- Electrical resistivity method (horizontal profiling and depth sounding)
- Frequency domain methods
- Time domain or transient methods
- Ground penetrating radar methods.

E3-1.3.3.2.10 Environmental Sample Collection: The Contractor shall have environmental sample collection capabilities to perform and evaluate information including but not limited to:

- Split spoon soil sampling
- Core barrel soil sampling
- Specialized thin wall tool soil sampling
- Groundwater sampling via dedicated and/or non-dedicated submersible pumps
- Bailers or other discrete depth ground water samplers
- Active and passive soil vapor sampling.

E3-1.3.3.2.11 Data Assessment and Presentation: The Contractor shall have the ability, expertise, and experience to assess/present data using some or all of the following methods and resources:

- Geographic Information Systems (GIS) - the Contractor shall have GIS capabilities and the ability and experience to prepare data fields that can be displayed and queried through menu driven commands. The Contractor shall have knowledge or capability of spatial statistics (ability to use Krieg estimation).
- Development of a preliminary and refined conceptual model(s) of the hydrogeologic system.
- Development (as appropriate) of analytical and/or numeric models of vadose zone processes and groundwater flow and solute transport processes including but not limited to:
 - * Models designed to predict fate and transport of all phases of organic and inorganic contaminants in the vadose and saturated zone
 - * Groundwater models describing aquifer systems of varying composition
 - * Groundwater flow models used for particle tracking analysis.
- Identification of flood plain, wetlands, wildlife, and other ecologically sensitive areas.

E3-1.3.3.2.12 Report Submittal: The Contractor shall document findings in a complete and concisely organized draft report to the UD and Risk Management within the times specified in the TA. This report shall contain the elements outlined above. Additionally, the report shall include recommendations regarding further action at the site.

E3-1.4 Excavation, transportation, disposal, and other forms of handling and management of hazardous waste shall be done in conformance with all applicable state, federal, and local laws, ordinances, and regulations. Accordingly, the Contractor and designated implementation subcontractor(s) shall have all necessary certificates, licenses and other permits and equipment to conduct such site activities as described in this statement of work.

E3-1.5 STAFF PRICING:

There will be a multiple technical disciplines that will fall under the descriptions of each professional level (Table E3-1-1). For example, a geologist, engineer, or environmental scientist with one (1) years of direct experience specific to the PSOW would each fall under a Professional Level I.

E3-1.6 EQUIPMENT PRICING:

Specific equipment may be required for individual Projects. A price list of commonly used equipment is to be provided.

TABLE E3-1-1

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR ENVIRONMENTAL SITE ASSESSMENT\SITE INVESTIGATION**

PERSONNEL CLASSIFICATION	MINIMUM QUALIFICATIONS, RESPONSIBILITIES AND EDUCATION	ADDITIONAL DIRECT EXPERIENCE	MINIMUM STAFFING REQUIREMENTS
SUPPORT SERVICES			
LEVEL I • Secretary • Word Processor • Administrator	Clerical, word processing, filing, general administration; entry level; no experience or education restriction	no direct experience required	None
LEVEL II • Drafter	Drafting, Project Manager's assistant, graphics, 1 - 2 years experience, no education restriction	no direct experience required	None
LEVEL III • Designer	Drafting Supervisor, Administrator Supervisor, Senior Word Processor; 2 - 4 years experience, no education restriction	no direct experience required	None
FIELD SERVICES			
LEVEL I • Technician	Closely supervised; conducts routine heavy labor during equipment installations; sampling, gauging, equipment maintenance; entry level, 1 - 2 years of experience, no education restriction	1 year of direct experience specific to AOS	None
LEVEL II • Associate Professional	Limited supervision; occasional heavy labor; sampling/ gauging, equipment installations, operations, troubleshooting; 2 - 4 years of experience, no education restriction	1 - 2 years of direct experience specific to AOS	1 each field level or equivalent title
LEVEL III • Staff Professional	Supervises on-site tasks such as system installations and operations, trouble shooting; technical advisor, 5 - 7 years of experience, no education restriction	2 - 4 years of direct experience specific to AOS	None
FIELD SERVICES MANAGER • Project Professional	Overall supervision of field services staff; works with PMs and OMs on scheduling and coordination; 7 - 9 years of experience, no education restriction	4 - 6 years of direct experience specific to AOS	1 each field manager or equivalent title

TABLE E3-1-1

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR ENVIRONMENTAL SITE ASSESSMENT\SITE INVESTIGATION**

PERSONNEL CLASSIFICATION	MINIMUM QUALIFICATIONS, RESPONSIBILITIES AND EDUCATION	ADDITIONAL DIRECT EXPERIENCE	MINIMUM STAFFING REQUIREMENTS
PROFESSIONAL PERSONNEL			
LEVEL I • Staff Professional	close supervision, routine tasks associated with environmental Projects; 1 - 2 years of experience; BS degree	1 - 2 years of direct experience specific to AOS	None
LEVEL II • Project Professional	collects and interprets data, report writing, provides Project input; 2 - 4 years of experience, BS degree	2 years of direct experience specific to SOW	2 each comprised of either engineer, geologist, hydrologist, environmental scientist or equivalent title
LEVEL III • Senior Professional	limited supervision, independent field work, oversees Levels I and II; 4 - 6 years of experience with BS degree or 1 - 2 years experience with MS degree	2 - 4 years of direct experience specific to AOS with BS degree in related field or 1 - 2 years experience specific to AOS with MS degree in related field	1 each comprised of either engineer, geologist, hydrologist, environmental scientist or equivalent title
LEVEL IV • Project Manager	manages Projects of moderate scope, prepares cost estimates, supervises others; 6 - 8 years experience with BS or registration (Arizona R.G. or P.E.) or 3 - 4 years of experience with MS degree	4 - 6 years of direct experience specific to AOS with BS degree in related field or registration (Arizona R.G. or P.E.); 2 - 3 years of experience specific to AOS with MS degree	2 each Project manager or equivalent title
LEVEL V • Technical Advisor	senior technical leader for environmental Projects; QA of Project Plans, report review; MS degree in field or registration (Arizona R.G. or P.E.) and 8 or more years of experience	6 or more years of direct experience specific to AOS	
LEVEL VI • Principal • Senior Technical Director	recognized registered professional in area of expertise, district/regional responsibility, expert testimony; or Ph. D. and 12 or more years of experience	8 or more years of direct experience specific to AOS	

E3-2.0 REMEDIATION

E3-2.1 REMEDIAL ALTERNATIVES ASSESSMENT:

The Contractor shall have the ability to perform site remediation based upon information collected during the site assessment and site investigation.

E3-2.1.1 Feasibility Study (FS) Or Engineering Evaluation/Cost Analysis (EE/CA):

Completion of a Feasibility Study (FS) or Engineering Evaluation/Cost Analysis (EE/CA) as directed by the UD, the purpose of which is to develop and evaluate appropriate remedial alternatives based upon data and reports from the site assessment and site investigation. The alternatives will mitigate impacts to public health and the environment, comply with all applicable laws and regulations, and evaluated for technical and cost effectiveness.

The UD may then present the study to all appropriate government agencies for comments. The study must comply with all State and EPA statutory, regulatory, and policy requirements in effect at the time service are performed or which are reasonably foreseeable. As new information becomes available from whatever source, the Contractor may be required to update the study. The completed FS report will be used in the preparation of a final engineering design. In meeting the contract requirements for feasibility studies, the Contractor shall be capable of providing the following services, and any additional services as directed by the UD in the PSOW.

E3-2.1.2 Bench And Pilot Testing:

If necessary, bench and pilot scale testing studies shall be performed to determine the applicability of selected corrective technologies to site specific conditions. These may include treatability studies, aquifer testing, and/or material compatibility testing. These studies may be completed in the latter stages of the site FS after initial screening of corrective technologies and actions.

E3-2.1.3 Risk Assessment:

Perform or evaluated a human health or ecological risk assessment based upon the toxic effect of exposure to hazardous materials at a site, to assess the need for implementing remedial actions, and to provide the rationale to determine the level of remedial action necessary to control or mitigate hazards.

E3-2.1.3.1 The risk assessment evaluation or performance may be requested by the UD during the site investigation phase of the work, throughout the FS process, and at any stage of the process to develop a baseline risk assessment, preliminary corrective action goals, and/or assist in evaluation of regulated substance alternatives. The Contractor shall comply with any and all Agency Guidance Cleanup Levels (AGCLs) developed by the enforcing State Agency and those AGCLs which are implemented during the life of the contract agreement shall become effective on the effective date of the AGCL. Applicable AGCLs will be defined by the UD Project Manager or Project Coordinator.

E3-2.1.3.2 The Risk Assessment or evaluation of same shall be prepared in a format acceptable to the UD. The Contractor shall have the experience and capability to perform or evaluate either a deterministic methodology, a probabilistic methodology, or an alternative methodology commonly accepted in the scientific community.

E3-2.1.3.3 The Contractor shall furnish the UD the requested number of hard copy and specified electronic media risk assessment reports. The Contractor shall provide one additional copy to Risk Management for record keeping purposes. **The Contractor shall receive written notice from the UD Project Manager or Project Coordinator prior to initiation of a risk assessment**

E3-2.1.4 Agency Coordination:

Provide the personnel services, materials, and equipment to assist UD in coordinating with appropriate federal, state and local agencies, responsible parties and their agents, public interest groups, the media, and public notifications and meetings.

E3-2.2 REMEDIAL ACTION/ CORRECTIVE ACTION/IMPLEMENTATION:

The Contractor shall have the ability to implement remedies to the hazardous conditions at a site. The remedies may include, but are not limited to, any of the types of improvements cited in A.R.S. Title 49 - The Environment; and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Cleanup measures may also include a provision of security arrangements, removal and disposal, treatment of containerized or non-containerized waste, and other actions to mitigate the hazardous conditions. It may also include the provision for long term operation and maintenance of the site and any equipment on it. Construction and operation of facilities for the remediation of hazardous waste shall be done in conformance with all applicable state, federal, and local laws, ordinances, and regulations. Accordingly, the Contractor and designated implementation subcontractor(s) shall have all necessary certificates, licenses and other permits and equipment to conduct such site activities as described in this statement of work. Remedial Action services may include, but not be limited to:

E3-2.2.1 Engineering Design:

Complete engineering design of selected remedial treatment methods, including, but not limited to, drawings/plans, specifications, permit requirements, bid documents, and vendor/subcontractor evaluation and selection.

E3-2.2.2 Construction Oversight Activities:

Provide the personnel, services, materials, and equipment required to conduct or oversee completion of remedial treatment installation according to approved plans, specifications, and regulatory requirements (e.g., state, municipal, fire department regulations, 29 CFR 1910 and 29 CFR 1926).

Preparation of record drawings (as-builts). Review and approval of pay applications, field construction authorizations, and contract change authorizations. Preparation of "punchlist". Conduct field oversight during construction duration. Measures may also include procurement of necessary permits and right-of-way, relocation of site utilities, and security arrangements. The Contractor may also be required to:

- Assist in preparation of solicitation documents
- Assist the UD in the evaluation process of proposals/bids
- Prepare or evaluate work plans
- Provide oversight services to the UD including:
 - * Prepare reports and participate in Project review meetings
 - * Prepare and document a written cost/price analysis consistent with the requirements of 40 CFR, Part 33, prior to any sub-contract award.

- Support County oversight responsibilities for corrective/ remedial response activities that are managed, contracted, or performed by others. These activities may include oversight of parties engaged in corrective action such as an architectural/engineering (A/E) firm, other Contractors, or a private party under court order or negotiated corrective action if and when requested by the UD.

E3-2.2.3 Off-Site Transportation For Storage, Treatment, Or Disposal:

Arrange as agent for the County for proper transportation of wastes according to federal, state, or local regulatory requirements including, but not limited to the US Department of Transportation, to an appropriately permitted and approved Treatment, Disposal, Storage (TDS) facility for destruction or disposal of the waste, or to a permitted and approved recycling facility for material recycling. Maintain and provide waste manifest records to the UD with one additional copy to Risk Management for record keeping purposes.

E3-2.2.4 System Start Up:

Provide start up, testing, and shakedown operation of treatment systems or other systems constructed at the site as well as assist in the monitoring of any remedial action Contractors or subcontractors.

E3-2.2.5 Operation And Maintenance (O&M):

Furnish personnel, services, materials, and equipment necessary to prepare a comprehensive O&M plan for the remedial action, and to conduct long term O&M of the site and equipment, including but not limited to permitting, monitoring, compliance levels or standards, corrective actions, security, and closure requirements. The UD Project Manager or Project Coordinator may then present the Plan to all appropriate government agencies and to the affected community for comments. The Plan must comply with all state and federal statutory, regulatory, and policy requirements in effect at the time services are performed or which are reasonably foreseeable. The Contractor shall provide one additional copy to Risk Management for record keeping purposes.

E3-2.2.6 Monitoring And Sampling:

Provide physical and chemical analysis of samples of air, gas, waste, soil or other solid material, and water or other liquid material through an ADHS licensed/certified laboratory and/or mobile laboratory meeting the capabilities under A.R.S. § 36-495 et. seq. and the rules promulgated there in. Provide interpretations and reports describing the analytical data in a format specified. Implement document control and chain-of-custody procedures.

E3-2.2.7 Closure Plans:

The Contractor shall furnish the personnel, services, materials, and equipment necessary to prepare and implement a closure plan, the purpose of which is to provide measures to be taken at a site to minimize the need for further maintenance and to control, minimize, or eliminate post-closure escape of pollutants to the environment.

All closure plans shall comply with applicable federal and state closure requirements in effect at the time services are performed or which are reasonably foreseeable. The Contractor shall furnish the UD the requested number of closure reports. The Contractor shall provide one additional copy to Risk Management for record keeping purposes.

E3-2.2.8 Agency Coordination:

Provide the personnel services, materials, and equipment to assist County in coordinating with appropriate federal, state and local agencies, responsible parties and their agents, public interest groups, the media, and public notifications and meetings.

E3-2.3 STAFF PRICING:

There will be a multiple technical disciplines that will fall under the descriptions of each professional level (Table E3-2-1). For example, a geologist, engineer, or environmental scientist with one (1) years of direct experience specific to the PSOW would each fall under a Professional Level I.

E3-2.4 EQUIPMENT PRICING:

Specific equipment may be required for individual Projects. A price list of commonly used equipment is to be provided.

TABLE E3-2-1

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR ASSESSMENT AND REMEDIATION**

Personnel Classification	Minimum Qualifications, Responsibilities, and Education	Additional Direct Experience	Minimum Staffing Requirements
Support Services			
Level I <ul style="list-style-type: none"> Secretary Word Processor Administrator 	Clerical, word processing, filing, general administration; entry level; no experience or education restriction.	No additional direct experience required.	None.
Level II <ul style="list-style-type: none"> Drafter 	Drafting, Project Manager's assistant, graphics; 1 - 2 years experience, no education restriction.	No additional direct experience required.	None.
Level III <ul style="list-style-type: none"> Designer 	Drafting Supervisor, Administrative Supervisor, no education restriction.	No additional direct experience required.	None.
Field Services			
Level I <ul style="list-style-type: none"> Technician 	Closely supervised; conducts routine heavy labor during equipment installations; sampling, gauging, equipment maintenance; entry level; 1 - 2 years experience, no education restriction.	1 year direct experience specific to AOS.	None.
Level II <ul style="list-style-type: none"> Associate Professional 	Limited supervision; occasional heavy labor; sampling, gauging, equipment installations, operations, troubleshooting; 2 - 4 years experience, no education restriction.	1 - 2 years direct experience specific to AOS.	1 each field level or equivalent title.
Level III <ul style="list-style-type: none"> Staff Professional 	Supervises on-site tasks such as systems installations and operations, troubleshooting; technical advisor; 5 – 7 years experience, no education restriction.	2 - 4 years direct experience specific to AOS.	
Field Services Manager <ul style="list-style-type: none"> Project Professional 	Overall supervision of field services staff; works with PMs and OM's on scheduling and coordination; 7 - 9 years of experience, no education restriction.	4 - 6 years direct experience specific to AOS.	1 each field manager or equivalent title.

TABLE E3-2-1

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR ASSESSMENT AND REMEDIATION**

Personnel Classification	Minimum Qualifications, Responsibilities, and Education	Additional Direct Experience	Minimum Staffing Requirements
PROFESSIONAL PERSONNEL			
Level I • Staff Professional	Close supervision, routine tasks associated with environmental Projects; 1 - 2 years experience, BS degree.	1 - 2 years of direct experience specific to AOS.	None.
Level II • Project Professional	Collects and interprets data, report writing, provides Project input; 2 - 4 years experience, BS degree.	2 years of direct experience specific to AOS.	2 each comprised of either geologist, hydrologist, engineer, environmental scientist, or equivalent title.
Level III • Senior Professional	Limited supervision, independent field work, oversees Levels I and II; 4 - 6 years experience with BS degree or 1 - 2 years experience with MS degree.	2 - 4 years of direct experience specific to AOS with BS degree in related field or 1 - 2 years experience specific to AOS with MS degree.	1 each comprised of either geologist, hydrologist, engineer, environmental scientist, or equivalent title.
Level IV • Project Manager	Manages Projects of moderate scope, prepares cost estimates, supervises others; 6 - 8 years experience with BS degree or 3 - 4 years experience with MS degree or Arizona R.G. or P.E.	4 - 6 years of direct experience specific to AOS with BS degree in related field or 2 - 3 years experience specific to AOS with MS degree; Arizona R.G. or P.E.	2 each Project manager or equivalent title.
Level V • Technical Advisor	Senior technical leader for environmental Projects; QA of Project Plans, report review; MS degree; Arizona R.G. or P.E.; 8 or more years experience.	6 or more years of direct experience specific to AOS.	1 each Project manager or equivalent title.
Level VI • Principal • Senior Technical Director	Recognized registered professional in area of expertise, district/regional responsibility, expert testimony; Ph.D.; 12 or more years experience.	8 or more years of direct experience specific to AOS.	None

E3-3.0 ASBESTOS AND LEAD-BASED PAINT ASSESSMENT AND/OR ABATEMENT

The Contractor shall have the ability to provide for the assessment and removal or control of asbestos containing building materials (ACMs) and lead-based paint (LBP) at various sites throughout Maricopa County. These services shall be on an as needed, if needed, basis. The Contractor may assist the UD in meetings and negotiations with regulators, property owners, potential responsible parties, and other interested parties, including the general public.

E3-3.1 INTENT:

Most County facilities erected prior to 1981 are thought to contain some form of ACM and LPB. Some preliminary studies of County facilities have been accomplished; however additional assessments need to be conducted. Each asbestos and lead management and control project must begin with a building inspection and management plan and an operations and maintenance (O&M) plan following the protocol outlined by the Asbestos Hazard Emergency Response Act (AHERA), which is supplemented by the Occupational Safety and Health (OSH) Act and the National Emission Standard for Hazardous Air Pollutants (NESHAP). Large and small full-scale asbestos and/or lead removal and demolition requires sophisticated procedures including building heating, ventilating and air conditioning (HVAC) isolation; evacuation of the space; and stringent containment, decontamination, and disposal of the asbestos and/or lead containing waste material. Complete removal will eliminate the health hazard and the need for an ongoing O&M program.

This AOS includes the abatement of ACMs and LBP only. It DOES NOT encompass replacement or remodel construction (other than to replace or repair damages caused by abatement activities).

E3-3.2 REFERENCES:

The following references shall apply to this AOS:

- E3-3.2.1 40 CFR, Part 61, Subpart M, Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP).
- E3-3.2.2 29 CFR, Part 1926, Subpart 1926.1101 Asbestos.
- E3-3.2.3 40 CFR, Part 763, Asbestos Model Accreditation Plan: Interim Final Rule (59 FR 5236-5260).
- E3-3.2.4 24 CFR, Parts 5,35,58,200 Housing and Urban Development (HUD).
- E3-3.2.5 29 CFR, Parts 1910, 1926 (OSHA).
- E3-3.2.6 40 CFR Parts 61,745, 763 (EPA).

E3-3.3 ASBESTOS ASSESSMENT:

The purpose is to obtain asbestos management and consulting services, to assess and characterize any ACM which may be present, and to develop primary and alternative recommendations for remedial action or an O&M plan. These recommendations will take the form of a survey report or work plan which will become the basis of a contract for site abatement or an O&M program. The Assessment Contractor shall provide professional services in accordance with the provisions and requirements set forth herein. The Assessment Contractor shall provide the following tasks under the contract on an as needed, if needed basis:

E3-3.3.1 Project Management:

- E3-3.3.1.1 The Assessment Contractor shall designate one individual with a technical background and experience in similar asbestos environmental projects to act as the Project Designer. The Project Designer or his/her authorized representative

(Maricopa County shall have the right to review any and all credentials of individuals proposed as authorized representatives and the right to accept or reject any individual not in compliance with County guidelines) must be on the site at all times during abatement activities. The Project Designer must work with representatives of the UD throughout the term of the project to coordinate project activities and ensure project compliance with contract provisions and with all applicable rules and regulations of the concerned governing bodies. The project duration should be minimized, and timing of each activity should be coordinated with UD activities to minimize negative impacts on the facility use.

E3-3.3.1.2 The Assessment Contractor's responsibilities shall include, but not necessarily, be limited to the following:

- Inspections of buildings and property for ACMs.
- Sampling of suspect materials for identification of asbestos content. All sampling for ACMs shall be made by an AHERA-certified Building Inspector at the time of inspection. A copy of the Building Inspector's certification shall be made a part of the final survey report.
- Classification of materials as defined by EPA into categories of (1) TSI, (2) surfacing, or (3) miscellaneous.
- Developing an O&M plan. A copy of the Management Planner's certification shall be made a part of the final survey report.
- Identification of quantities of materials subject to renovation and demolition activities as Regulated Asbestos Containing Materials (RACM) or Non-Friable, Category I and II as per NESHAP Revised Regulations, dated November 20, 1990.
- Assessment of the condition of existing asbestos materials.
- Air monitoring for personnel, area monitoring for prevalent levels of fiber or air clearance monitoring of abatement sites. A copy of the Contractor/Supervisor's certification shall be made a part of the final abatement report.
- Designing asbestos removal projects, preparation of design specifications, and providing cost estimates based on the current condition as determined during site inspections. A copy of the Project Designer's certification shall be made a part of the final abatement report.
- Site managing of asbestos abatement projects and preparation of post abatement reports.
- Performing industrial hygiene consultation for managing asbestos in place.
- Providing assessment reports that can be used for future construction, abatement and management activities.

E3-3.3.1.3 The Assessment Contractor shall consult with the UD and/or monitor for other contaminants that may affect the work place safety of work site and County employees.

E3-3.3.1.4 The Assessment Contractor shall provide a safety plan with provisions including, but not necessarily limited to the following:

- First aid and emergency procedures and equipment.
- Delineation of restricted work zones and barricading of openings in area (any restrictions shall be coordinated in advance with the UD).
- Securing of equipment and materials against accident or tampering.
- Air monitoring for detection of possible explosive or toxic vapors, or oxygen deficient atmosphere.
- Designated "No Smoking" areas.

- Personal protective equipment requirements.
- Employee training in pertinent safety procedures including fire and explosion prevention, heat stress, confined spaces, and toxic vapors identification.
- Sanitation/eating/drinking facilities (may include available County facilities where applicable and permissible).
- Traffic control and safe vehicle operations.
- Safety of County employees, and visitors.
- Dust control.
- Housekeeping.
- Site restoration.
- Posting, if necessary, of any contaminated areas.

E3-3.3.1.5 The Assessment Contractor shall act as the UD's Agent throughout the asbestos abatement project. The Assessment Contractor shall have the authority to stop the work if the Asbestos Abatement Contractor is violating any laws or regulations.

E3-3.3.1.6 The Assessment Contractor shall be responsible for conducting project meetings and distributing all notes and minutes of said project meetings.

E3-3.3.1.7 The Assessment Contractor shall have the authority to complete and sign all manifests in the absence of the UD's designated representatives.

E3-3.3.2 Analysis:

The Assessment Contractor shall provide a plan for the laboratory analysis of asbestos samples, including but not limited to the following:

- Name of National Voluntary Laboratory Accreditation Program (NVLAP)-accredited analytical laboratory.
- Qualifications of laboratory and its personnel.
- Methods of analysis prescribed by NESHAP (point-counting is not required).
- Quality assurance procedures.
- Chain of custody procedures.
- Laboratory reports.

E3-3.3.2.1 Copies of laboratory reports shall be delivered to the UD's Project Manager or Project Coordinator as they are made available by the laboratory or upon request after collection of any sample.

E3-3.3.3 Reporting:

All inspection and management reports and O&M plans must be in a format similar to AHERA inspection and management reports and O&M plans including, but not necessarily limited to the following:

- Physical address and legal description.
- Description and location of the materials sampled. Floor plans, maps, or drawings shall be used to clarify information.
- Definition of the material as RACM or Non-Friable, Category I or II, and as TSI, surfacing, or miscellaneous materials.
- Quantities of material shall be in linear feet for TSI pipe. All other materials shall be in square feet for surfacing, and cubic feet for volume.
- Condition of the material shall reflect the overall condition of the material represented by the sample.

- Risk assessment of exposure potential may be required by the Using Department.

E3-3.3.3.1 Copies of the inspection reports and O&M plans shall be submitted to the UD's Project Manager or Project Coordinator and Maricopa County Risk Management.

E3-3.3.4 Abatement Inspections:

Prior to removal, all RACM must be clearly identified and listed with the quantities and locations given; all Non-Friable Category I or II material that does not require removal as per EPA's Revised Regulations dated November 20, 1990, and all negative samples must be included in the report.

E3-3.3.4.1 All Non-Friable ACMs that do not require removal according to NESHAP prior to demolition, and as long as they do not become friable in the demolition process, are not classified as asbestos waste. They become part of the demolition debris and must be handled as solid waste under the classification of Construction and Demolition Debris. Regulations for transport and disposal of construction debris must be followed. Any landfill accepting this type of waste may be used.

E3-3.3.4.2 All personal and area air monitoring reports shall include a summary of locations and concentrations in fibers per cubic centimeter (f/cc), and copies of the laboratory reports.

E3-3.3.4.3 Contractor's design and management plans shall be in a format agreed upon by the Assessment Contractor and the UD, and shall reflect the specific needs of the UD.

E3-3.3.4.4 The Assessment Contractor shall provide proper documentation of surveys, abatement, operations and maintenance expenses. The Assessment Contractor is responsible to furnish information and for the completion of notification forms.

E3-3.3.5 Conformance With Laws:

E3-3.3.5.1 The Assessment Contractor must comply with the requirements of the following regulations governing any asbestos project, removal, training, and disposal:

- EPA/NESHAP Regulations: 40 CFR, Part 61, Subpart M
- EPA/AHERA Regulations: 40 CFR, Part 763, Subpart E
- Dept. of Labor, OSHA Regulations: 29 CFR, Part 1926, Section 1101
- Title 49, Article 9
- Any other applicable federal, state, County, or local rules and regulations.

E3-3.3.5.2 The Assessment Contractor shall retain copies of the regulations stated above on each site where work is being accomplished.

E3-3.3.5.3 Prior to implementation of asbestos removal, the Assessment Contractor is responsible to ensure the Abatement Contractor notifies the Maricopa County NESHAP Coordinator, and designated County Departments. The notification must comply with 40 CFR, Part 61, Subpart M. Copies of the notification must be provided to those agencies stated below:

- Maricopa County Department of Environmental Services
ATTN: Asbestos NESHAP Coordinator
1001 N. Central Avenue, Suite #300
Phoenix, Arizona 85004
Telephone: 602-506-6708
- Maricopa County Risk Management
ATTN: Environmental Risk Management
222 North Central Avenue, Suite #1110
Phoenix, Arizona 85004
Telephone: 602-506-2891 or 506-5063
- UD's Project Manager or Project Coordinator who is responsible for the specific project.

E3-3.3.5.4 The Assessment Contractor shall meet with the designated representative(s) stated above to review the schedule of work and specify special needs. At that time, the Assessment Contractor shall identify a qualified project manager who shall be on-site for the duration of the project with authority to act as the Assessment Contractor's authorized representative.

E3-3.3.5.5 The Assessment Contractor shall be responsible for checking the Asbestos Abatement Contractor's employee records to ensure all medical records, training, and certifications are current. Assessment Contractor employees working on the project must have had EPA/AHERA-approved Asbestos Abatement Supervisors Training and/or Asbestos Workers Training, and conform to EPA and OSHA regulations. The Assessment Contractor shall have at any site a copy of the written safety, respiratory, and hazardous communications program manuals.

E3-3.3.5.6 The Assessment Contractor shall ensure that all barriers, signs, and appropriate labels are posted as required pursuant to any or all pertinent regulations.

E3-3.3.5.7 The Assessment Contractor shall inspect the enclosure or regulated area during its construction, and its use before abatement is implemented. Acceptance of the enclosure or regulated areas must be documented by both the management site representative and the Abatement Contractor's authorized representative.

E3-3.3.5.8 The Assessment Contractor shall perform inspections and monitoring as follows:

- Personnel monitoring, independent of that done by the Asbestos Abatement Contractor as a quality assurance measure. A minimum of one worker per day shall be monitored during actual removal of asbestos. Additional personnel monitoring shall be accomplished when warranted by the size of the project or by circumstances that may require excursion level monitoring.
- Area monitoring outside the exhaust, decon, and load-out areas when full enclosures are used, to demonstrate control of fiber release to the outside air.
- Monitoring to ensure that negative air pressure is maintained inside the enclosure when it is used.
- Checking water filtration devices to see that they are functioning properly and that five (5) micron final filters are used.

- Final clearance monitoring shall be done in all enclosures where required by regulations. The number of samples shall be determined by the size of the area and the configuration of the space in each enclosure. One (1) to five (5) samples should be taken. Analysis shall be by Phase Contrast Microscopy (PCM) unless otherwise specifically stated. Air sample results shall be available on the job site within 24 hours (turnaround time), or less.
- PCM final air clearance shall be to the EPA Standard of 0.01 f/cc or transmission electron microscopy (TEM) final air clearance shall be less than 70 structures/millimeter squared for all areas that will be reoccupied.
- When friable materials are removed prior to demolition of structures, the fiber count must be equal to, or less than, the action level of 0.01 f/cc before the enclosure can be removed.
- A final report including all the monitoring results, copies of manifests, field notes and recommendations related to the project must be submitted to the UD prior to final payment. A copy of the final report will also be submitted to Maricopa County Risk Management.

E3-3.3.6 Inspections:

The Assessment Contractor shall be responsible for any and all site inspections, estimations of quantity of work, or recognition of unusual or special situations, which may affect a timely and scheduled completion of the work.

E3-3.3.6.1 The Assessment Contractor shall authorize Maricopa County's representatives access to the work site, materials, records, or any other relevant data specified herein. Furthermore, the Assessment Contractor shall provide proper facilities for such access and inspection. Only authorized personnel will be allowed on the work site providing that they have obtained a security clearance from the UD requesting such clearance.

E3-3.3.7 Using Department Responsibilities:

E3-3.3.7.1 The UD requesting services of the Assessment Contractor should provide specific written information concerning the project. This may include, but not necessarily be limited to the following:

- Address of the site where services are required. Include a specific description of the site (e.g., boiler room, steam tunnel, residential structures, 20,000 square foot commercial buildings, etc.).
- A drawing or map of the area of buildings and any construction records that might identify asbestos construction materials.
- Other inspection reports.
- Purpose for the project; emergency removal/cleanup, renovation, demolition, and repair or maintenance.
- Other hazards which require assessment by technically trained inspectors.
- Other Abatement Contractors whose work they may be monitoring, and items in other contracts that need to be coordinated with the Assessment Contractor's service activities.
- Coordination for moving of patients, inmates, employees, etc.

E3-3.4 ASBESTOS ABATEMENT:

The Abatement Contractor shall provide services in support of various UD's abatement activities at their facilities that may pose a liability to Maricopa County. These services shall include, but are not necessarily limited to initial response and abatement actions to minimize the threat to public health, safety, and the environment of the facilities or properties to prevent further contamination.

E3-3.4.1 Project Management:

E3-3.4.1.1 Services to be provided by the Abatement Contractor may include, but are not necessarily limited to:

- Preparing initial estimate for all corrective actions as requested by the UD in accordance with purchasing procedures.
- Removal of friable ACM/RACM prior to renovation and demolition activities.
- Repairing and maintenance of damaged ACMs.
- Sending all NESHAP notifications to the Maricopa County NESHAP Coordinator for all demolitions, even when no asbestos is present, and for all renovations where the amount of RACM to be disturbed is greater than 260 linear feet on pipes, greater than 160 square feet on other facility components, or greater than 35 cubic feet on facility components. The Maricopa County NESHAP Coordinator shall receive original notifications and revisions.
- Removal, prior to renovation, and demolition of small scale, short duration projects of RACM below threshold amounts (less than or equal to 160 square feet. of surface, less than or equal to 260 linear feet. of pipe, or less than or equal to 35 cubic feet on components) requires a courtesy notification to the Maricopa County NESHAP Coordinator.
- Cleaning up of asbestos materials from unpredicted fiber release episodes.
- Containing or encapsulation.
- Disposal.

E3-3.4.1.2 The Abatement Contractor shall provide any or all of the contract services as stipulated by contract issued by the UD. Such services shall be provided in a manner specified or approved by Maricopa County to the satisfaction of the UD. The services shall include the personnel, materials, and equipment required to complete the ordered work.

E3-3.4.1.3 The logical sequence of work/services required under the contract is as follows:

- Initial response
- Notification and scheduling
- Site preparation
- Implementation of corrective actions
- Clean-up.

E3-3.4.2 Using Department Responsibilities:

E3-3.4.2.1 The UD requesting specific abatement services will provide to the Abatement Contractor information pertaining to the project, including but not necessarily, limited to the following:

- E3-3.4.2.1.1 Physical address/legal description of location of the site where work is to be accomplished. The UD will include a specific description of the site (e.g., boiler room, steam pipe tunnel, residential structure, commercial building, etc.).
- E3-3.4.2.1.2 Drawing(s) of the area to be abated and/or a map(s) stating the location(s) of the building(s) to be abated.
- E3-3.4.2.1.3 Copy(s) of survey report(s) including all lab test results identifying the Category I and Category II materials, the condition of the materials, and the kind and quantity of asbestos present.
- E3-3.4.2.1.4 Description of the quantity of RACM friable asbestos material in estimated square feet on surface, linear feet on pipe, and other description of miscellaneous materials.
- E3-3.4.2.1.5 Purpose for the project:
- Emergency removal/cleanup
 - Renovation, repair, or maintenance
 - Demolition.
- E3-3.4.2.2 The UD requesting specific abatement services will provide to the Abatement Contractor information pertaining to the project, including but not necessarily, limited to the following: (continued)
- E3-3.4.2.2.1 Requirements for removal:
- Wiping/moving furnishings
 - Carpet cleaning/removal
 - Electrical fixture removal
 - Non-movable objects.
- E3-3.4.2.2.2 Hazards associated with the project:
- Hot/cold pipes or surfaces
 - Confined space entry
 - Other physical or chemical hazards that may be present.
- E3-3.4.2.2.3 Requirements for replacement materials.
- E3-3.4.2.2.4 Availability of water, power, drains, and space for setting up work stations, supplies, and waste trailers.
- E3-3.4.2.2.5 The UD's designated representative(s).
- E3-3.4.2.2.6 Time schedule requirements for the project.
- E3-3.4.2.2.7 A Walk-through Conference with the Abatement Contractor and Assessment Contractor will be conducted prior to implementation of the project.
- E3-3.4.2.2.8 The UD may provide utilities for the Abatement Contractor's use if work is being accomplished within a County-owned facility.

E3-3.4.3 Regulatory Requirements:

E3-3.4.3.1 The Abatement Contractor must comply with the requirements of the following regulations governing asbestos removal and disposal:

- EPA/NESHAP Regulations: 40 CFR, Part 61, Subpart M
- EPA/AHERA Regulations: 40 CFR, Part 763
- Dept. of Labor, OSHA Regulations: 29 CFR, Part 1926, Section 1101
- Title 49, Article 9
- Any other applicable federal, state, County, or local rules and regulations.

E3-3.4.3.2 The Abatement Contractor shall retain copies of the regulations stated above on each site where work is being accomplished.

E3-3.4.3.3 Prior to implementation of asbestos removal the Abatement Contractor shall provide the Maricopa County NESHAP Coordinator, Maricopa County Risk Management, and the UD with the necessary written 10 day notification. The notification must comply with 40 CFR, Part 61, Subpart M, paragraph 61.145. (Revised Regulations as of November 20, 1990.).

- Maricopa County Department of Environmental Services
ATTN: Asbestos NESHAP Coordinator
1001 N. Central Avenue, Suite #300
Phoenix, Arizona 85004
Telephone: 602-506-6708
- Maricopa County Risk Management
ATTN: Environmental Risk Management
222 North Central Avenue, Suite #1110
Phoenix, Arizona 85004
Telephone: 602-506-2891 or 506-5063
- Using Department's Project Manager or Project Coordinator responsible for the specific project.

E3-3.4.3.4 The Abatement Contractor shall meet with the designated representative(s) stated above to review the schedule of work and specify special needs. At that time, the Abatement Contractor shall identify a project supervisor who shall be on-site for the duration of the project with authority to act as the Abatement Contractor's authorized representative. This individual must be currently certified as an AHERA Contractor/Supervisor.

E3-3.4.3.5 The Abatement Contractor shall furnish documentation certifying that employees working on each project have had EPA/AHERA-approved Asbestos Contractor/Supervisor Training, and/or Asbestos Worker Training, and are currently certified.

E3-3.4.3.6 Training shall include all the elements specified in 40 CFR, Part 61, Subpart M; 29 CFR, Part 1926.1101; and 40 CFR, Part 763.

E3-3.4.3.7 The Abatement Contractor shall have a copy of their written hazard communication (to include copies of MSDS), safety program, and respiratory protection programs at the project site.

E3-3.4.3.8 The Abatement Contractor shall ensure that medical examinations required under asbestos regulations are current for all employees involved in each project.

E3-3.4.3.9 The Abatement Contractor shall post all signs, and use appropriate labels, pursuant to asbestos regulations.

E3-3.4.3.10 The Abatement Contractor shall be required to furnish his/her own utilities, including water and electrical when the work is being accomplished at a remote site and/or where not available at the site. In County-owned/operated buildings, the UD will furnish the following:

- Sufficient electric power from outside the abatement area to power the Abatement Contractor's equipment.
- Water taps adjacent to, or in the work area, for the Abatement Contractor's use.
- Access to a drain for disposal of filtered water at the project site.
- Designated area for storing supplies and parking disposal trailers adjacent to the project site.

E3-3.4.4 Air Monitoring:

E3-3.4.4.1 Air monitoring shall be required throughout the entire removal and cleaning operation. This shall include, but not necessarily be limited, to the following:

- Personal monitoring of employees inside regulated areas.
- Exposure monitoring shall be accomplished in accordance with 29 CFR, Part 1926.58 (f).
- Area monitoring as may be needed to control the site in and/or adjacent to the points of entry, and exits from the regulated area.
- Continuous monitoring of the negative air from the time it is established, and until final clearance is demonstrated.
- Final clearance for demolition projects shall show fiber levels are less than the AHERA clearance concentration of 0.01 f/cc.
- The Assessment Contractor is responsible for final air clearance. Should the clearance monitoring need to be repeated provided that the clearance fails to pass EPA requirements, this cost shall be incurred by the Abatement Contractor.

E3-3.4.4.2 Records of the above monitoring and the results shall be posted on-site, as soon as they are finalized.

E3-3.4.4.3 A summary report of all air monitoring data shall be submitted to the UD or its designated representative at the end of the project. The Abatement Contractor shall furnish all air monitoring results (written) along with copies of all manifests, permits, etc. within one (1) month of the completion of the project. Final payment for services shall be contingent upon receipt and acceptance of the summary report.

E3-3.4.5 Work Area Preparation:

E3-3.4.5.1 The Abatement Contractor shall establish regulated areas in accordance with the above regulations. When friable materials are removed as defined by OSHA, negative pressure enclosures shall be utilized.

E3-3.4.5.2 Where the Abatement Contractor has taken out detachable electrical, heating, ventilation equipment, and other items located on the asbestos material, the Abatement Contractor shall clean, handle, and store these items in an undamaged condition. The UD will provide any special instructions for reinstalling all such items, unless otherwise determined by the nature of the project.

- E3-3.4.5.3 When removing detachable items prior to removal of friable materials from buildings that are scheduled for demolition, all such items shall be wet wiped where they have come in contact with friable materials. These items shall be stacked to prevent unnecessary damage. The salvage value of these items may be part of other County contracts.
- E3-3.4.5.4 NESHAP requires that all friable material must be removed before demolition of buildings. All friable waste and control devices must be disposed of in a NESHAP-approved waste disposal site.
- E3-3.4.5.5 All non-friable materials that do not require removal prior to demolition are not classified as asbestos waste. As per EPA/NESHAP and EPA Standards, non-friable ACM becomes part of the demolition debris and must be handled as solid waste under the classification of Construction and Demolition Debris. Regulations for transporting and disposal of construction and demolition debris must be followed. Any ADEQ-approved landfill accepting this kind of waste can be utilized. The EPA guidance manual "A Guide to Normal Demolition Practices Under the Asbestos NESHAP" must be utilized.

E3-3.4.6 Repair Of Existing Surfaces:

- E3-3.4.6.1 As determined by the nature of each project, existing areas that require repair must be identified prior to the implementation of the project. Areas that require repair due to asbestos removal, must be identified after the removal of the substance and the UD notified in writing as to the extent of the repairs required.
- E3-3.4.6.2 The Abatement Contractor shall provide fiber encapsulants to surfaces where RACM were removed.

E3-3.4.7 Acceptance Of Completed Project:

- E3-3.4.7.1 After the Abatement Contractor has cleaned the abated area and before final acceptance testing is accomplished, the area shall be inspected by the authorized UD representative with the Abatement Contractor.

During this inspection, the Assessment Contractor, who is AHERA Project Designer-trained, in conjunction with the Abatement Contractor will determine areas that need further refinement. Any additional work must be performed prior to the final acceptance testing.
- E3-3.4.7.2 The negative air system shall remain on until results of the clearance tests prove that the fiber level is below 0.01 f/cc. Small scale projects which do not require the use of a negative air system do not need to be cleared by final clearance tests.
- E3-3.4.7.3 Application of the new surface treatment shall be specified by the UD and shall be done in accordance with the standards specified herein. Reinstallation of all fixtures, and restoration of electrical power to all electrical fixtures is the responsibility of the Abatement Contractor.
- E3-3.4.7.4 The Abatement Contractor shall conduct an inspection to ascertain that all work has been accomplished pursuant to the project. The final inspection shall include the authorized UD representative, as well as other Department representatives that need to be involved.

E3-3.4.7.5 The Abatement Contractor shall be responsible for and shall verify any and all site inspections, estimations of quantity of work, or recognition of unusual or special situations which may affect a timely and scheduled completion of the work.

E3-3.4.7.6 The Abatement Contractor shall authorize Maricopa County's authorized representatives access to the work site, materials, records, or any other relevant data specified herein. Furthermore, the Abatement Contractor shall provide proper facilities for such access and inspection.

E3-3.4.8 Materials, Equipment And Employees:

E3-3.4.8.1 The Abatement Contractor shall agree and understand that he/she shall supply any and all labor, supervision, installed and consumable materials, equipment, services, testing devices, warehousing, tools, and each and every item of expense necessary for the supply, fabrication, erection, installation, application, handling, hauling, unloading, receiving, evaluation, design engineering, testing, and assembly of the abatement of asbestos containing or contaminated materials removed and restoration of areas hereinafter stated in the Contract.

E3-3.4.8.2 The Abatement Contractor shall perform all labor in a competent, reliable, and workmanlike manner, including use of subcontractors, superintendents, foremen, and skilled and unskilled employees employed by the Abatement Contractor.

E3-3.4.8.3 Any Abatement Contractor personnel or outside personnel of another trade not employed for asbestos abatement; but working in an asbestos contaminated area, shall be informed of the locations and presence of ACMs as forth by both Federal and State OSHA regulations.

E3-3.4.8.4 The UD or the Assessment Contractor has the authority to stop any or all abatement activities at any time that it has been determined that conditions are not within the specifications or any applicable regulations, or that an unsafe condition exists. The decision to stop work is solely at the discretion of the UD in conjunction with the Assessment Contractor.

E3-3.4.8.5 The abatement activity shall not continue until the conditions have been corrected to the satisfaction of Maricopa County.

E3-3.4.8.6 Standby time occurring during a stop work condition shall be at the Abatement Contractor's expense.

E3-3.4.9 Using Department's Project Manager Or Coordinator:

E3-3.4.9.1 The Abatement Contractor shall report directly to the UD's Project Manager or Project Coordinator.

E3-3.4.9.2 The Abatement Contractor shall furnish a written estimate of the cost of each project (once the estimate has been finalized, the total guaranteed not-to-exceed, firm, fixed price shall govern the over-all project. Maricopa County shall not be obligated to honor any additional estimates or amendments to the project, except in special isolated pre-approved instances) based upon the firm, fixed prices stated in the contract.

E3-3.4.9.3 The Abatement Contractor shall be required to complete all the work outlined by the estimate, and in the time frame stipulated in the contract.

- E3-3.4.9.4 The Abatement Contractor shall agree and understand that the UD's Project Manager or Project Coordinator shall have full and final authority for, but not limited to, the following:
- Determination of completion of each project
 - Review of work schedules
 - Approval of clean-up procedures
 - Disapproval or approval of the use of certain equipment, personnel, materials, services, and/or procedures
 - Establishment of proper safety protocol
 - Issuance of stop-work orders for safety, environmentally unsafe activities, procedures, or unnecessary work.
- E3-3.4.9.5 The Abatement Contractor shall agree that the completion of a project shall be upon the final removal and disposal of all materials, substances, and/or RACM.
- E3-3.4.9.6 The completion date shall conform to the dates specified in the NESHAP notification, or modified/revised notification.
- E3-3.4.9.7 Copies of any revisions to the NESHAP notification and an explanation shall be forwarded to the UD's Project Manager or Project Coordinator and Maricopa County Risk Management.
- E3-3.4.9.8 A project shall be deemed complete at the convenience of the Using Department by the Project Manager or Project Coordinator.
- E3-3.4.9.9 The Abatement Contractor shall submit all copies specified in the project contract for payment to the designated representative for certification.
- E3-3.4.9.10 The Abatement Contractor shall keep a complete record of all labor, equipment, materials, and outside services expended in the performance of a project under the contract, and shall include such record as a closeout document with the final invoice for services. A copy of all closeout documents shall be provided to Maricopa County Risk Management for record keeping purposes.

E3-3.5 LEAD-BASED PAINT ASSESSMENT

The purpose is to obtain lead-based paint management and consulting services, to assess and characterize any LBP which may be present, and to develop primary and alternative recommendations for remedial action or an O&M program that includes a hazard control plan. These recommendations will take the form of a survey report or work plan which will become the basis of a contract for site abatement or an O&M program. The Assessment Contractor shall provide professional services in accordance with the provisions and requirements set forth herein. The Assessment Contractor shall provide the following tasks under the contract on an as needed, if needed basis:

E3-3.5.1 Project Management:

- E3-3.5.1.1 The Assessment Contractor shall designate one individual with a technical background and experience in similar lead paint risk assessment and management projects to act as the Project Designer. The Project Designer or his/her authorized representative must be on the site at all times during abatement activities. The Project Designer must work with representatives of the UD throughout the term of the project to coordinate project activities and ensure project compliance with contract provisions and with all applicable rules and regulations of the concerned governing

bodies. The project duration should be minimized, and timing of each activity should be coordinated with UD activities to minimize negative impacts on the facility use.

E3-3.5.1.2 Maricopa County shall have the right to review any and all credentials of individuals proposed as authorized representatives and the right to accept or reject any individual not in compliance with County guidelines.

E3-3.5.1.3 The Assessment Contractor's responsibilities shall include, but not necessarily, be limited to the following:

- Inspections of buildings and property for LBP, lead residues, and/or lead in drinking water.
- Sampling of suspect materials for identification of lead content. All sampling for lead shall be made by an EPA-certified Lead Inspector at the time of inspection. A copy of the Lead Inspector's certification shall be made a part of the final survey report.
- Assessment and classification of paint film quality as defined by HUD into categories of (1) intact, (2) fair, or (3) poor.
- Developing an O&M plan that includes a risk assessment and hazard control plan. A copy of the Lead Risk Assessor's certification shall be made a part of the final survey report.
- Identification of quantities of materials subject to repair, renovation, and demolition activities.
- Air monitoring for personnel, area monitoring for prevalent levels of lead, or air clearance monitoring of abatement sites. A copy of the Lead Contractor/Supervisor's certification shall be made a part of the final abatement report.
- Designing lead exposure mitigation/abatement projects, preparation of design specifications, and providing cost estimates based on the current condition as determined during site inspections. A copy of the Lead Project Designer's certification shall be made a part of the final abatement report.
- Site managing of lead exposure mitigation/abatement projects and preparation of post abatement reports.
- Performing industrial hygiene consultation for managing lead in place.
- Providing assessment reports that can be used for future construction, abatement and management activities.

E3-3.5.1.4 The Assessment Contractor shall consult with the UD and/or monitor for other contaminants that may affect the work place safety of work site and County employees.

E3-3.5.1.5 The Assessment Contractor shall provide a safety plan with provisions including, but not necessarily limited to the following:

- First aid and emergency procedures and equipment.
- Delineation of restricted work zones and barricading of openings in area (any restrictions shall be coordinated in advance with the UD).
- Securing of equipment and materials against accident or tampering.
- Air monitoring for detection of possible explosive or toxic vapors, or oxygen deficient atmosphere.
- Designated "No Smoking" and "No Eating/Drinking" areas.
- Personal protective equipment requirements.
- Employee training in pertinent safety procedures including fire and explosion prevention, heat stress, confined spaces, and toxic vapors identification.

- Sanitation/eating/drinking facilities (may include available County facilities where applicable and permissible).
- Traffic control and safe vehicle operations.
- Safety of County employees, and visitors.
- Dust control.
- Housekeeping.
- Site restoration.
- Posting, if necessary, of any contaminated areas.

E3-3.5.1.6 The Assessment Contractor shall act as the UD's Agent throughout the lead mitigation/abatement project. The Assessment Contractor shall have the authority to stop the work if the Lead Mitigation/Abatement Contractor is violating any laws or regulations.

E3-3.5.1.7 The Assessment Contractor shall be responsible for conducting project meetings and distributing all notes and minutes of said project meetings.

E3-3.5.1.8 The Assessment Contractor shall have the authority to complete and sign all manifests in the absence of the UD's designated representatives.

E3-3.5.2 Analysis:

The Assessment Contractor shall provide a plan for the laboratory analysis of lead samples, including but not limited to the following:

- Name of National Lead Laboratory Accreditation Program (NLLAP)-accredited analytical laboratory.
- Qualifications of laboratory and its personnel.
- Methods of analysis prescribed by EPA.
- Quality assurance procedures.
- Chain of custody procedures.
- Laboratory reports.

E3-3.5.2.1 Copies of laboratory reports shall be delivered to the UD's Project Manager or Project Coordinator as they are made available by the laboratory or upon request after collection of any sample.

E3-3.5.3 Reporting:

All inspection reports, management reports, hazard control plans, and O&M plans must be in a format similar to HUD inspection and risk assessment reports and O&M plans including, but not necessarily limited to the following:

- Physical address and legal description.
- Description and location of the materials sampled. Floor plans, maps, or drawings shall be used to clarify information.
- Definition of the paint film conditions.
- Quantities of material shall be in linear feet for pipe. All other materials shall be in square feet for surfacing, and cubic feet for volume.
- Condition of the material shall reflect the overall condition of the material represented by the sample.
- Description of any statistical method used in the sampling process.
- Inclusion of all analytical results, both positive and negative.
- Risk assessment of exposure potential may be required by the UD including hazard control options.

- E3-3.5.3.1 Copies of the inspection and risk assessment reports and O&M plans shall be submitted to the UD's Project Manager or Project Coordinator and Maricopa County Risk Management.

E3-3.5.4 Abatement Inspections:

Prior to abatement, all lead containing materials must be clearly identified and listed with the quantities and locations given, and all negative samples must be included in the report.

- E3-3.5.4.1 All LBP that does not require removal according to 40 CFR 261 prior to demolition is not classified as lead containing waste. It becomes part of the demolition debris and must be handled as solid waste under the classification of Construction and Demolition Debris. Regulations for transport and disposal of construction debris must be followed. Any permitted landfill accepting this type of waste may be used.

- E3-3.5.4.1.1 If any lead waste is determined to be a hazardous waste per 40 CFR 261, it shall be handled as a regulated hazardous waste subject to any and all transport and disposal regulations addressing such waste. The Assessment Contractor's Project Designer will prepare plans and specifications to remove the lead such that the remaining materials can be disposed as solid waste as described above. The landfill accepting such waste must be appropriately and currently licensed.

- E3-3.5.4.2 All personal and area air monitoring reports shall include a summary of locations and concentrations in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), and copies of the laboratory reports.

- E3-3.5.4.3 Contractor's design and management plans shall be in a format agreed upon by the Assessment Contractor and the UD, and shall reflect the specific needs of the UD.

- E3-3.5.4.4 The Assessment Contractor shall provide proper documentation of surveys, abatement, operations and maintenance expenses. The Assessment Contractor is responsible to furnish information and for the completion of notification forms.

E3-3.5.5 Conformance With Laws:

- E3-3.5.5.1 The Assessment Contractor must comply with the requirements of the following regulations governing asbestos project, removal, training, and disposal:

- EPA Regulations: 40 CFR, Part 261, Subpart C
- EPA Regulations: 40 CFR, Part 745
- Dept. of Labor, OSHA Regulations: 29 CFR, Parts 1910.1025 and 1926.26
- Title 49, Arizona Revised Statutes
- Any other applicable federal, state, County, or local rules and regulations.

- E3-3.5.5.2 The Assessment Contractor shall retain copies of the regulations stated above on each site where work is being accomplished.

- E3-3.5.5.3 Prior to implementation of lead-containing material removal, the Assessment Contractor is responsible to ensure the Abatement Contractor notifies the designated regulatory authority's coordinator, and designated

County Departments. The notification must comply with 40 CFR. Copies of the notification must be provided to those agencies stated below:

- Maricopa County Risk Management
ATTN: Environmental Risk Management
222 North Central Avenue, Suite #1110
Phoenix, Arizona 85004
Telephone: 602-506-2891 or 506-5063
- UD's Project Manager or Project Coordinator who is responsible for the specific project.

E3-3.5.5.4 The Assessment Contractor shall meet with the designated representative(s) stated above to review the schedule of work and specify special needs. At that time, the Assessment Contractor shall identify a qualified project manager who shall be on-site for the duration of the project with authority to act as the Assessment Contractor's authorized representative.

E3-3.5.5.5 The Assessment Contractor shall be responsible for checking the Lead Abatement/Mitigation Contractor's employee records to ensure all medical records, training, and certifications are current. Assessment Contractor employees working on the project must have had EPA Lead Abatement Supervisors Training and/or Lead Workers Training, and conform to EPA and OSHA regulations. The Assessment Contractor shall have at any site a copy of the written safety, respiratory, and hazardous communications program manuals.

E3-3.5.5.6 The Assessment Contractor shall ensure that all barriers, signs, and appropriate labels are posted as required pursuant to any or all pertinent regulations.

E3-3.5.5.7 The Assessment Contractor shall inspect the enclosure or regulated area during its construction, and its use before abatement is implemented. Acceptance of the enclosure or regulated areas must be documented by both the management site representative and the Abatement Contractor's authorized representative.

E3-3.5.5.8 The Assessment Contractor shall perform inspections and monitoring as follows:

- Personnel monitoring, independent of that done by the Lead Abatement/Mitigation Contractor as a quality assurance measure. A minimum of one worker per day shall be monitored during actual removal of lead-containing materials. Additional personnel monitoring shall be accomplished when warranted by the size of the project or by circumstances that may require excursion level monitoring.
- Area monitoring outside the exhaust, decon, and load-out areas when full enclosures are used, to demonstrate control of particulate lead release to the outside air.
- Monitoring to ensure that negative air pressure is maintained inside the enclosure when it is used.
- Checking water filtration devices to see that they are functioning properly and that the appropriate final filters are used.
- Final clearance monitoring shall be done in all enclosures where required by regulations. The number of samples shall be determined by the size of the area and the configuration of the space in each enclosure. One (1) to

five (5) samples should be taken. Air sample results shall be available on the job site within 24 hours (turnaround time), or less.

- Final air clearance shall be to the OSHA Standard of 30 µg/m³ and final surface clearance shall be less than 5 micrograms per liter (µg/L) before the enclosure can be removed.
- A final report including all the monitoring results, copies of manifests, field notes and recommendations related to the project must be submitted to the UD prior to final payment. A copy of the final report will also be submitted to Maricopa County Risk Management.

E3-3.5.6 Inspections:

The Assessment Contractor shall be responsible for any and all site inspections, estimations of quantity of work, or recognition of unusual or special situations, which may affect a timely and scheduled completion of the work.

E3-3.5.6.1 The Assessment Contractor shall authorize Maricopa County's representatives access to the work site, materials, records, or any other relevant data specified herein. Furthermore, the Assessment Contractor shall provide proper facilities for such access and inspection. Only authorized trained personnel will be allowed on the work site providing that they have obtained a security clearance from the UD requesting such clearance.

E3-3.5.7 Using Department Responsibilities:

E3-3.5.7.1 The UD requesting services of the Assessment Contractor should provide specific written information concerning the project. This may include, but not necessarily be limited to the following:

- Address of the site where services are required. Include a specific description of the site (e.g., boiler room, steam tunnel, residential structures, 20,000 square foot commercial buildings, etc.).
- A drawing or map of the area of buildings and any construction records that might identify lead-containing materials.
- Other inspection reports.
- Purpose for the project; emergency removal/cleanup, renovation, demolition, and repair or maintenance.
- Other hazards which require assessment by technically trained inspectors.
- Other Abatement Contractors whose work they may be monitoring, and items in other contracts that need to be coordinated with the Assessment Contractor's service activities.
- Coordination for moving of patients, inmates, employees, etc.

E3-3.6 LEAD ABATEMENT:

The Abatement/Mitigation Contractor shall provide services in support of various UD's abatement/mitigation activities at their facilities that may pose a liability to Maricopa County. These services shall include, but are not necessarily limited to initial response and abatement actions to minimize the threat to public health, safety, and the environment of the facilities or properties to prevent further contamination.

E3-3.6.1 Project Management:

E3-3.6.1.1 Services to be provided by the Abatement/Mitigation Contractor may include, but are not necessarily limited to:

- Preparing initial estimate for all corrective actions as requested by the UD in accordance with purchasing procedures.

- Removal of lead-containing materials prior to renovation and demolition activities.
- Repairing and maintenance of damaged lead surfaces.
- Sending any notifications to the designated regulatory authority, if applicable, for all demolitions, and Maricopa County Risk management even when no lead is present.
- Cleaning up of lead-containing materials from unpredicted particulate release episodes.
- Containing or encapsulation.
- Disposal.

E3-3.6.1.2 The Abatement Contractor shall provide any or all of the contract services as stipulated by contract issued by the UD. Such services shall be provided in a manner specified or approved by Maricopa County to the satisfaction of the UD. The services shall include the personnel, materials, and equipment required to complete the ordered work.

E3-3.6.1.3 The logical sequence of work/services required under the contract is as follows:

- Initial response
- Notification and scheduling
- Site preparation
- Implementation of corrective actions
- Clean-up.

E3-3.6.2 Using Department Responsibilities:

E3-3.6.2.1 The UD requesting specific abatement services will provide to the Abatement/Mitigation Contractor information pertaining to the project, including but not necessarily, limited to the following:

E3-3.6.2.1.1 Physical address/legal description of location of the site where work is to be accomplished. The UD will include a specific description of the site (e.g., boiler room, steam pipe tunnel, residential structure, commercial building, etc.).

E3-3.6.2.1.2 Drawing(s) of the area to be abated and/or a map(s) stating the location(s) of the building(s) to be abated.

E3-3.6.2.1.3 Copy(s) of survey report(s) including all lab test results identifying the lead-containing materials, the condition of the materials, and the quantity present.

E3-3.6.2.1.4 Description of the quantity of lead-containing material in estimated square feet on surface, linear feet on pipe, and other description of miscellaneous materials.

E3-3.6.2.1.5 Purpose for the project:

- Emergency removal/cleanup
- Renovation, repair, or maintenance
- Demolition.

E3-3.6.2.1.6 Requirements for removal:

- Wiping/moving furnishings

- Carpet cleaning/removal
- Electrical fixture removal
- Non-movable objects.

E3-3.6.2.1.7 Hazards associated with the project:

- Hot/cold pipes or surfaces
- Confined space entry
- Other physical or chemical hazards that may be present.

E3-3.6.2.1.8 Requirements for replacement materials.

E3-3.6.2.1.9 Availability of water, power, drains, and space for setting up work stations, supplies, and waste trailers.

E3-3.4.2.1.10 The UD's designated representative(s).

E3-3.4.2.1.11 Time schedule requirements for the project.

E3-3.4.2.1.12 A Walk-through Conference with the Abatement Contractor and Assessment Contractor will be conducted prior to implementation of the project.

E3-3.4.2.1.13 The UD may provide utilities for the Abatement Contractor's use if work is being accomplished within a County-owned facility.

E3-3.6.3 Regulatory Requirements:

E3-3.6.3.1 The Abatement Contractor must comply with the requirements of the following regulations governing asbestos removal and disposal:

- EPA Regulations: 40 CFR, Part 261, Subpart C
- EPA Regulations: 40 CFR, Part 745
- Dept. of Labor, OSHA Regulations: 29 CFR, Parts 1910.1025 and 1926.26
- Title 49, Arizona Revised Statutes
- Any other applicable federal, state, County, or local rules and regulations.

E3-3.6.3.2 The Abatement/Mitigation Contractor shall retain copies of the regulations stated above on each site where work is being accomplished.

E3-3.6.3.3 Prior to implementation of lead removal, the Abatement Contractor shall provide the designated regulatory authority, if applicable, Maricopa County Risk Management, and the UD with the necessary written 10 day notification. The notification must comply with 40 CFR.

- Maricopa County Risk Management
ATTN: Environmental Risk Management
222 North Central Avenue, Suite #1110
Phoenix, Arizona 85004
Telephone: 602-506-2891 or 506-5063
- Using Department's Project Manager or Project Coordinator responsible for the specific project.

E3-3.6.3.4 The Abatement/Mitigation Contractor shall meet with the designated representative(s) stated above to review the schedule of work and specify

special needs. At that time, the Abatement Contractor shall identify a project supervisor who shall be on-site for the duration of the project with authority to act as the Abatement Contractor's authorized representative. This individual must be currently certified as an EPA Lead Contractor/Supervisor.

- E3-3.6.3.5 The Abatement Contractor shall furnish documentation certifying that employees working on each project have had EPA -approved Lead Contractor/Supervisor Training, and/or Lead Worker Training, and are currently certified.
- E3-3.6.3.6 Training shall include all the elements specified in 40 CFR, Part 745 and 29 CFR, Parts 1910 and 1926.
- E3-3.6.3.7 The Abatement Contractor shall have a copy of their written hazard communication (to include copies of MSDS), safety program, and respiratory protection programs at the project site.
- E3-3.6.3.8 The Abatement Contractor shall ensure that medical examinations required under lead regulations are current for all employees involved in each project.
- E3-3.6.3.9 The Abatement Contractor shall post all signs, and use appropriate labels, pursuant to lead regulations.
- E3-3.6.3.10 The Abatement Contractor shall be required to furnish his/her own utilities, including water and electrical when the work is being accomplished at a remote site and/or where not available at the site. In County-owned/operated buildings, the UD will furnish the following:
 - Sufficient electric power from outside the abatement area to power the Abatement Contractor's equipment.
 - Water taps adjacent to, or in the work area, for the Abatement Contractor's use.
 - Access to a drain for disposal of filtered water at the project site.
 - Designated area for storing supplies and parking disposal trailers adjacent to the project site.

E3-3.6.4 Air Monitoring:

- E3-3.6.4.1 Air monitoring shall be required throughout the entire removal and cleaning operation. This shall include, but not necessarily be limited, to the following:
 - Personal monitoring of employees inside regulated areas.
 - Exposure monitoring shall be accomplished in accordance with 29 CFR, Part 1926.58 (f).
 - Area monitoring as may be needed to control the site in and/or adjacent to the points of entry, and exits from the regulated area.
 - Continuous monitoring of the negative air from the time it is established, and until final clearance is demonstrated.
 - Final clearance for demolition projects shall show particulate levels are less than the OSHA clearance concentration of 30 $\mu\text{g}/\text{m}^3$ and surface concentrations are less than EPA characteristic hazardous waste concentrations of 5 $\mu\text{g}/\text{L}$.
 - The Assessment Contractor is responsible for final air clearance. Should the clearance monitoring need to be repeated provided that the clearance fails to pass EPA requirements, this cost shall be incurred by the Abatement Contractor.

E3-3.6.4.2 Records of the above monitoring and the results shall be posted on-site, as soon as they are finalized.

E3-3.6.4.3 A summary report of all air monitoring data shall be submitted to the UD or its designated representative at the end of the project. The Abatement Contractor shall furnish all air monitoring results (written) along with copies of all manifests, permits, etc. within one (1) month of the completion of the project. Final payment for services shall be contingent upon receipt and acceptance of the summary report.

E3-3.6.5 Work Area Preparation:

E3-3.6.5.1 The Abatement/Mitigation Contractor shall establish regulated areas in accordance with the above regulations. When lead-containing materials are removed as defined by OSHA, negative pressure enclosures shall be utilized.

E3-3.6.5.2 Where the Abatement Contractor has taken out detachable electrical, heating, ventilation equipment, and other items located on the lead material, the Abatement Contractor shall clean, handle, and store these items in an undamaged condition. The UD will provide any special instructions for reinstalling all such items, unless otherwise determined by the nature of the project.

E3-3.4.5.3 When removing detachable items prior to removal of lead materials from buildings that are scheduled for demolition, all such items shall be wet wiped where they have come in contact with lead materials. These items shall be stacked to prevent unnecessary damage. The salvage value of these items may be part of other County contracts.

E3-3.4.5.4 All lead-containing material determined to be a characteristic hazardous waste must be removed before demolition of buildings. All characteristic hazardous waste and control devices must be disposed of in an EPA-approved waste disposal site.

E3-3.4.5.5 All non-characteristic hazardous materials that do not require removal prior to demolition are not classified as hazardous waste. As per EPA and EPA Standards, non-characteristic hazardous materials becomes part of the demolition debris and must be handled as solid waste under the classification of Construction and Demolition Debris. Regulations for transporting and disposal of construction and demolition debris must be followed. Any ADEQ-approved landfill accepting this kind of waste can be utilized.

E3-3.6.6 Repair Of Existing Surfaces:

E3-3.6.6.1 As determined by the nature of each project, existing areas that require repair must be identified prior to the implementation of the project. Areas that require repair due to lead removal, must be identified after the removal of the substance and the UD notified in writing as to the extent of the repairs required.

E3-3.6.6.2 The Abatement/Mitigation Contractor shall provide particulate encapsulants to surfaces where paint films were removed.

E3-3.6.7 Acceptance Of Completed Project:

- E3-3.6.7.1 After the Abatement/Mitigation Contractor has cleaned the abated area and before final acceptance testing is accomplished, the area shall be inspected by the authorized UD representative with the Abatement Contractor.

During this inspection, the Assessment Contractor, who is EPA Lead Project Designer-trained, in conjunction with the Abatement Contractor will determine areas that need further refinement. Any additional work must be performed prior to the final acceptance testing.

- E3-3.6.7.2 The negative air system shall remain on until results of the clearance tests prove that the particulate level is below 30 $\mu\text{g}/\text{m}^3$. Small scale projects which do not require the use of a negative air system do not need to be cleared by final clearance tests.

- E3-3.6.7.3 Application of the new surface treatment shall be specified by the UD and shall be done in accordance with the standards specified herein. Reinstallation of all fixtures, and restoration of electrical power to all electrical fixtures is the responsibility of the Abatement Contractor.

- E3-3.6.7.4 The Abatement Contractor shall conduct an inspection to ascertain that all work has been accomplished pursuant to the project. The final inspection shall include the authorized UD representative, as well as other Department representatives that need to be involved.

- E3-3.6.7.5 The Abatement Contractor shall be responsible for and shall verify any and all site inspections, estimations of quantity of work, or recognition of unusual or special situations which may affect a timely and scheduled completion of the work.

- E3-3.6.7.6 The Abatement Contractor shall authorize Maricopa County's authorized representatives access to the work site, materials, records, or any other relevant data specified herein. Furthermore, the Abatement Contractor shall provide proper facilities for such access and inspection.

E3-3.6.8 Materials, Equipment And Employees:

- E3-3.6.8.1 The Abatement/Mitigation Contractor shall agree and understand that he/she shall supply any and all labor, supervision, installed and consumable materials, equipment, services, testing devices, warehousing, tools, and each and every item of expense necessary for the supply, fabrication, erection, installation, application, handling, hauling, unloading, receiving, evaluation, design engineering, testing, and assembly of the abatement of lead-containing or contaminated materials removed and restoration of areas hereinafter stated in the Contract.

- E3-3.6.8.2 The Abatement Contractor shall perform all labor in a competent, reliable, and workmanlike manner, including use of subcontractors, superintendents, foremen, and skilled and unskilled employees employed by the Abatement Contractor.

- E3-3.6.8.3 Any Abatement Contractor personnel or outside personnel of another trade not employed for asbestos abatement; but working in a lead-contaminated area, shall be informed of the locations and presence of lead as forth by both Federal and State OSHA regulations.

- E3-3.6.8.4 The UD or the Assessment Contractor has the authority to stop any or all abatement activities at any time that it has been determined that conditions are not within the specifications or any applicable regulations, or that an unsafe condition exists. The decision to stop work is solely at the discretion of the UD in conjunction with the Assessment Contractor.
- E3-3.6.8.5 The abatement activity shall not continue until the conditions have been corrected to the satisfaction of Maricopa County.
- E3-3.6.8.6 Standby time occurring during a stop work condition shall be at the Abatement Contractor's expense.

E3-3.6.9 Using Department's Project Manager Or Coordinator:

- E3-3.4.9.1 The Abatement Contractor shall report directly to the UD's Project Manager or Project Coordinator.
- E3-3.6.9.2 The Abatement/Mitigation Contractor shall furnish a written estimate of the cost of each project (once the estimate has been finalized, the total guaranteed not-to-exceed, firm, fixed price shall govern the over-all project. Maricopa County shall not be obligated to honor any additional estimates or amendments to the project, except in special isolated pre-approved instances) based upon the firm, fixed prices stated in the contract.
- E3-3.6.9.3 The Abatement Contractor shall be required to complete all the work outlined by the estimate, and in the time frame stipulated in the contract.
- E3-3.6.9.4 The Abatement Contractor shall agree and understand that the UD's Project Manager or Project Coordinator shall have full and final authority for, but not limited to, the following:
 - Determination of completion of each project
 - Review of work schedules
 - Approval of clean-up procedures
 - Disapproval or approval of the use of certain equipment, personnel, materials, services, and/or procedures
 - Establishment of proper safety protocol
 - Issuance of stop-work orders for safety, environmentally unsafe activities, procedures, or unnecessary work.
- E3-3.6.9.5 The Abatement Contractor shall agree that the completion of a project shall be upon the final removal and disposal of all materials, substances, and/or hazardous wastes.
- E3-3.6.9.6 The completion date shall conform to the dates specified in any required notification, or modified/revised notification.
- E3-3.6.9.7 Copies of any revisions to any required notification and an explanation shall be forwarded to the UD's Project Manager or Project Coordinator and Maricopa County Risk Management.
- E3-3.6.9.8 A project shall be deemed complete at the convenience of the Using Department by the Project Manager or Project Coordinator.
- E3-3.6.9.9 The Abatement Contractor shall submit all copies specified in the project contract for payment to the designated representative for certification.

E3-3.4.9.10 The Abatement Contractor shall keep a complete record of all labor, equipment, materials, and outside services expended in the performance of a project under the contract, and shall include such record as a closeout document with the final invoice for services. A copy of all closeout documents shall be provided to Maricopa County Risk Management for record keeping purposes.

TABLE E3-3-1

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR ASBESTOS/LEAD ASSESSMENT AND ABATEMENT**

Personnel Classification	Minimum Qualifications, Responsibilities, and Education	Additional Direct Experience	Minimum Staffing Requirements
Support Services			
Level I Secretary Word Processor Administrator	Clerical, word processing, filing, general administration; entry level; no experience or education restriction.	No additional direct experience required.	None.
Level II Drafter	Drafting, Project Manager's assistant, graphics; 1 - 2 years experience, no education restriction.	No additional direct experience required.	None.
Level III Designer	Drafting Supervisor, Administrative Supervisor, no education restriction.	No additional direct experience required.	None.
Field Services			
Level I Technician Asbestos/Lead Worker	Closely supervised; conducts routine heavy labor during equipment installations; equipment maintenance; entry level, 0 - 1 years experience; AHERA/EPA-certified, no education restriction.	No additional direct experience required.	None.
Level II Associate Professional Building Inspector/Management Planner/Risk Assessor	Limited supervision; documentation, sampling; 0 - 1 years experience, AHERA/EPA-certified; no education restriction.	0 - 1 years direct experience specific to AOS.	None.
Level III Staff Professional Contractor/Supervisor	Supervises on-site tasks such as abatement systems installations and operations, troubleshooting; technical advisor; 2 - 4 years experience; AHERA/EPA-certified, no education restriction.	1-2 years direct experience specific to AOS.	1 each field level or equivalent title.
Field Services Manager Project Professional Project Designer	Overall supervision of field services staff; works with PMs and C/Ss on scheduling and coordination; 5 - 7 years of experience; AHERA/EPA-certified, no education restriction.	2 - 6 years direct experience specific to AOS.	1 each field manager or equivalent title.

TABLE E3-3-1

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR ASBESTOS/LEAD ASSESSMENT AND ABATEMENT**

Personnel Classification	Minimum Qualifications, Responsibilities, and Education	Additional Direct Experience	Minimum Staffing Requirements
Professional Personnel			
Level I Staff Professional Building Inspector	Close supervision, routine tasks associated with environmental projects; 1 - 2 years experience; BS degree, AHERA/EPA-certified.	1 - 2 years of direct experience specific to AOS.	None.
Level II Project Professional Management Planner/Risk Assessor	Collects and interprets data, report writing, provides project input; 2 - 4 years experience; BS degree, AHERA/EPA-certified.	2 years of direct experience specific to AOS.	2 each comprised of either geologist, hydrologist, engineer, environmental scientist, or equivalent title.
Level III Senior Professional Contractor/Supervisor Project Designer	Limited supervision, independent field work, oversees Levels I and II; 4 - 6 years experience with BS degree or 1 - 2 years experience with MS degree, AHERA/EPA-certified.	2 - 4 years of direct experience specific to AOS with BS degree in related field or 1 - 2 years experience specific to AOS with MS degree.	1 each comprised of either geologist, hydrologist, engineer, environmental scientist, or equivalent title.
Level IV Project Manager	Manages projects of moderate scope, prepares cost estimates, supervises others; 6 - 8 years experience with BS degree or 3 - 4 years experience with MS degree, AHERA/EPA-certified; C.I.H., Arizona R.G. or P.E.	4 - 6 years of direct experience specific to AOS with BS degree in related field or 2 - 3 years experience specific to AOS with MS degree; C.I.H., Arizona R.G. or P.E.	1 each project manager or equivalent title.
Level V Technical Advisor	Senior technical leader for environmental projects; QA of Project Plans, report review; MS degree, AHERA/EPA-certified; C.I.H., Arizona R.G. or P.E.; 8 or more years experience.	6 or more years of direct experience specific to AOS.	1 each project manager or equivalent title.
Level VI Principal Senior Technical Director	Recognized registered professional in area of expertise, district/regional responsibility, expert testimony; Ph.D.; 12 or more years experience.	8 or more years of direct experience specific to AOS.	None

E3-4.0 ENVIRONMENTAL ENGINEERING SERVICES

UDs may require a variety of Environmental Engineering Services for specific projects. These services may include a variety of environmental engineering areas, such as: air quality engineering, permitting, and modeling; stormwater, wastewater and water engineering and design; and environmental management/compliance assistance.

E3-4.1 ENVIRONMENTAL AIR CONSULTING SERVICES:

E3-4.1.1 Intent:

The UD may require Environmental Air Consulting Services for specific projects. These services may include air quality engineering, air permitting, inventory reporting, and stack sampling. For example, the Environmental Services Department requires a Contractor to provide temporary supplemental Environmental Air Consulting Services on an as-required basis in the areas of Air Pollution Permit Application Review, Environmental Risk Analysis, and Air Quality Modeling.

E3-4.1.2 Definitions:

The definitions in Sections 2.7 and 2.16, in addition to the definitions listed below, shall apply to this AOS.

E3-4.1.2.1 Air Quality/Permit Engineer: Evaluates air permit application completeness, develops permit conditions, determines control technology requirements. Knowledgeable of federal, state, and County air pollution control laws, statutes, ordinances, rules, and regulations. Performs air emissions calculations. With applicable degree, experience, and expertise in design and review, pertinent to project requirements, which can be validated.

E3-4.1.2.2 Certified Industrial Hygienist: Knowledge in toxicology and/or physiology, assesses human and ecological impacts from air toxins associated with applicant's process. Performs computer modeling of air emissions. Interprets air monitoring results. Carries out risk assessment analyses. Certified in the comprehensive practice of industrial hygiene by the American Board of Industrial Hygiene.

E3-4.1.2.3 Chemist/Chemical Engineer: Reviews permit applicants' proposed materials and processes, determines their contribution to local atmospheric chemistry, performs mass balance calculations. Performs stack testing or other sampling procedures. Evaluates types and quantities of air toxic emissions. With applicable degree, experience, and expertise in design and review, pertinent to project requirements, which can be validated.

E3-4.1.2.4 Computer Modeler: Selects and applies appropriate computer models for predicting contaminant distribution in the environment. Performs statistical evaluation of data sets. Prepares air quality profiles and risk characterizations. Interprets reference data. Organizes site/facility data in computer spreadsheet and/or database formats.

E3-4.1.2.5 Project Manager: Responsible for identification and evaluation of environmental impact of proposed source. Participates in Prevention of Significant Deterioration (PSD) review and New Source Review (NSR). Assesses environmental management programs of source. Recommends revisions, modifications, and additions to application necessary for approval of application.

E3-4.1.2.6 Risk Assessment Analyst: Performs risk assessments for proposed processes and projects. Conducts human and ecological risk assessments, environmental consequence and transport modeling, exposure assessments, environmental and occupational toxicology, and air quality assessments.

E3-4.1.3 Technical Requirements:

The Contractor(s) approved by the County must meet the following qualifications and must be able to provide the services outlined below.

E3-4.1.3.1 The Contractor shall have the ability to review and assess air pollution permits submitted to the County from a variety of facilities. Reviews permit applicants' proposed materials and processes, and evaluates types and quantities of air toxic emissions. Develops permit conditions and determines control technology requirements.

E3-4.1.3.2 The Contractor shall have the ability to prepare air pollution permits, including Title V air permits for County owned/operated facilities.

E3-4.1.3.3 The Contractor shall have experience conducting environmental risk analyses. The Contractor shall conduct human and ecological risk assessments, environmental consequence and transport modeling, exposure assessments, environmental and occupational toxicology, and air quality assessments. The Contractor shall provide information regarding their experience in risk analysis and air quality assessment, including examples of types of risk analyses conducted and types of air quality assessment with which the Contractor is proficient.

E3-4.1.3.4 The Contractor shall have experience performing air quality modeling. The Contractor may conduct toxic emissions, contaminant distribution, fate and transport, and plume modeling. The Contractor shall provide information regarding their experience in air modeling, including examples of types of air quality models with which the Contractor is proficient.

E3-4.1.3.5 The Contractor shall have the ability to conduct stack sampling to assess compliance with permit conditions. Stack sampling maybe conducted at County owned/operated facilities and at facilities determined by the Environmental Services Department as part of the permit evaluation process.

E3-4.1.3.6 The Contractor shall have the ability to conduct volatile organic compound (VOC) sampling to assess compliance with permit conditions. Samples are taken of inks, paints, solvents, and other materials to determine compliance with the percent of VOC content rule.

E3-4.1.3.7 The Contractor shall have the ability to conduct asbestos sampling to assess compliance with permit conditions and for potential enforcement actions.

E3-4.1.3.8 The Contractor shall have the ability to conduct filter sampling for lead.

E3-4.1.3.9 The Contractor shall have knowledge of federal, state, and County air quality laws, standards, and regulations. All sampling shall be conducted according to appropriate federal, state, and County laws, standards, regulations, and methods, and shall including required QA/QC procedures.

E3-4.1.4 Staff Pricing:

There will be multiple technical disciplines that will fall under the descriptions of each professional level (Table E3-4-1). Professional levels and titles are as defined in Section 2.7 of this RFP.

E3-4.1.5 Equipment Pricing:

Specific equipment may be required for individual Projects. A price list of commonly used equipment is to be provided.

TABLE E3-4-1

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR
ENVIRONMENTAL AIR CONSULTING SERVICES**

PERSONNEL CLASSIFICATION	MINIMUM QUALIFICATIONS, RESPONSIBILITIES AND EDUCATION	ADDITIONAL DIRECT EXPERIENCE	MINIMUM STAFFING REQUIREMENTS
SUPPORT SERVICES			
LEVEL I • Secretary • Word Processor • Administrator	Clerical, word processing, filing, general administration; entry level; no experience or education restriction	no direct experience required	none
LEVEL II • Drafter	Drafting, Project Manager's assistant, graphics, 1 - 2 years experience, no education restriction	no direct experience required	none
LEVEL III • Designer	Drafting Supervisor, Administrator Supervisor, no education restriction	no direct experience required	none
FIELD SERVICES			
LEVEL I • Technician	Closely supervised; conducts routine heavy labor during equipment installations; sampling, gauging, equipment maintenance; entry level, 1 - 2 years of experience, no education restriction	1 year of direct experience specific to AOS	none
LEVEL II • Associate Professional	Limited supervision; occasional heavy labor; sampling/ gauging, equipment installations, operations, troubleshooting; 2 - 4 years of experience, no education restriction	1 - 2 years of direct experience specific to AOS	1 each field level or equivalent title
LEVEL III • Staff Professional	Supervises on-site tasks such as system installations and operations, trouble shooting; technical advisor, 5 - 7 years of experience, no education restriction	2 - 4 years of direct experience specific to AOS	none
FIELD SERVICES MANAGER • Project Professional	Overall supervision of field services staff; works with PMs and OM's on scheduling and coordination; 7 - 9 years of experience, no education restriction	4 - 6 years of direct experience specific to AOS	1 each field manager or equivalent title

TABLE E3-4-1

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR
ENVIRONMENTAL AIR CONSULTING SERVICES**

PERSONNEL CLASSIFICATION	MINIMUM QUALIFICATIONS, RESPONSIBILITIES AND EDUCATION	ADDITIONAL DIRECT EXPERIENCE	MINIMUM STAFFING REQUIREMENTS
PROFESSIONAL PERSONNEL			
LEVEL I <ul style="list-style-type: none"> • Permit Engineer • Air Quality Engineer • Industrial Hygienist 	Close supervision, routine tasks associated with environmental projects; 1 - 2 years of experience; BS degree	1 - 2 years of direct experience specific to AOS	1 each air quality/permit engineer or equivalent title
LEVEL II <ul style="list-style-type: none"> • Computer Modeler 	Collects and interprets data, report writing, provides project input; 2 - 4 years of experience, BS degree	2 years of direct experience specific to AOS	1 each computer modeler or equivalent title
LEVEL III <ul style="list-style-type: none"> • Chemist/Chemical Engineer • Certified Industrial Hygienist • Risk Assessor 	Limited supervision, independent field work, oversees Levels I and II; 4 - 6 years of experience with BS degree or 1 - 2 years experience with MS degree	2 - 4 years of direct experience specific to AOS with BS degree in related field or 1 - 2 years experience specific to AOS with MS degree in related field	1 each chemist/chemical engineer, certified industrial hygienist, risk assessor
LEVEL IV <ul style="list-style-type: none"> • Project Manager 	Manages projects of moderate scope, prepares cost estimates, supervises others; 6 - 8 years experience with BS or registration (C.I.H. or Arizona P.E.) or 3 - 4 years of experience with MS degree	4 - 6 years of direct experience specific to AOS with BS degree in related field or registration (C.I.H. or Arizona P.E.); 2 - 3 years of experience specific to AOS with MS degree	1 each project manager or equivalent title
LEVEL V <ul style="list-style-type: none"> • Technical Advisor 	Senior technical leader for environmental projects; QA of Project Plans, report review; MS degree in field or registration (C.I.H. or Arizona P.E.) and 8 or more years of experience	6 or more years of direct experience specific to AOS	
LEVEL VI <ul style="list-style-type: none"> • Principal • Senior Technical Director 	Recognized registered professional in area of expertise, district/regional responsibility, expert testimony; Ph. D. and 12 or more years of experience	8 or more years of direct experience specific to AOS	

E3-4.2 STORMWATER, WASTEWATER, WATER ENGINEERING AND DESIGN:

E3-4.2.1 Intent:

UD may require Stormwater, Wastewater, or Water Engineering Services for specific projects. These services may include stormwater permitting, drainage engineering design, water/wastewater sampling, system evaluation, or engineering design.

E3-4.2.2 Technical Requirements:

The Contractor(s) retained by the County must meet the following qualifications and must be able to provide the services outlined below.

E3-4.2.2.1 The Contractor shall have the ability to review and assess stormwater, wastewater, and water needs and systems at County owned/operated facilities. These services may include stormwater management and discharge practices, dry well, sump and catch basin evaluation, piping evaluation, video surveys, and groundwater well evaluation

E3-4.2.2.2 The Contractor shall have the ability to design stormwater, wastewater, and water systems for County owned/operated facilities. Complete engineering design of selected systems, including, but not limited to, drawings/plans, specifications, permit requirements, bid documents, and vendor/subcontractor evaluation and selection.

E3-4.2.2.3 Provide the personnel, services, materials, and equipment required to conduct or oversee completion of system installation/removal according to approved plans, specifications, and regulatory requirements (e.g., state, municipal, fire department regulations, 29 CFR 1910 and 29 CFR 1926). Preparation of record drawings (as-builts). Measures may also include procurement of necessary permits and right-of-way, relocation of site utilities, and security arrangements.

E3-4.2.2.4 Provide start up, testing, and shakedown operation of systems constructed at the site as well as assist in the monitoring of other Contractors or subcontractors.

E3-4.2.2.5 The Contractor shall have the ability to prepare stormwater permits, for County owned/operated facilities.

E3-4.2.2.6 The Contractor shall have experience conducting hydrological analyses and performing stormwater, wastewater, and water flow modeling.

E3-4.2.2.7 The Contractor shall have the ability to conduct stormwater, wastewater, and water quality sampling at County owned/operated facilities through an ADHS licensed/certified laboratory and/or mobile laboratory meeting the capabilities under A.R.S. § 36-495 et. seq. and the rules promulgated therein. Provide interpretations and reports describing the analytical data in a format specified. Implement document control and chain-of-custody procedures.

- E3-4.2.2.8 The Contractor shall have knowledge of applicable federal, state, and County laws, standards, and regulations. Construction of facilities shall be done in conformance with all applicable state, federal, and local laws, ordinances, and regulations in effect at the time services are performed or which are reasonably foreseeable. Accordingly, the Contractor and designated implementation subcontractor(s) shall have all necessary certificates, licenses and other permits, and equipment to conduct such site activities as described in this AOS.
- E3-4.2.2.9 Prepare, assess, and present data using, but not limited to, the following: GIS; CADD (release as required UD); and analytical and/or numeric models for tracking, flow, fate, and transport.
- E3-4.2.2.10 Document findings in a complete and concisely organized report within the times specified in the Contract. The Contractor shall furnish the UD the requested number of reports. The Contractor shall provide one additional copy to Risk Management for record keeping purposes.

E3-4.2.3 Staff Pricing:

There may be multiple technical disciplines that will fall under the descriptions of each professional level (Table E3-4-2). Professional levels and titles are as defined in Section 2.7 of this RFP.

E3-4.2.4 Equipment Pricing:

Specific equipment may be required for Projects. A price list of commonly used equipment is to be provided.

TABLE E3-4-2

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR
STORMWATER, WASTEWATER, WATER ENGINEERING AND DESIGN**

PERSONNEL CLASSIFICATION	MINIMUM QUALIFICATIONS, RESPONSIBILITIES AND EDUCATION	ADDITIONAL DIRECT EXPERIENCE	MINIMUM STAFFING REQUIREMENTS
SUPPORT SERVICES			
LEVEL I • Secretary • Word Processor • Administrator	Clerical, word processing, filing, general administration; entry level; no experience or education restriction	No direct experience required	none
LEVEL II • Drafter	Drafting, Project Manager's assistant, graphics, 1 - 2 years experience, no education restriction	No direct experience required	none
LEVEL III • Designer	Drafting Supervisor, Administrator Supervisor, no education restriction	No direct experience required	none
FIELD SERVICES			
LEVEL I • Technician	Closely supervised; conducts routine heavy labor during equipment installations; sampling, gauging, equipment maintenance; entry level, 1 - 2 years of experience, no education restriction	1 year of direct experience specific to AOS	none
LEVEL II • Associate Professional	Limited supervision; occasional heavy labor; sampling/ gauging, equipment installations, operations, troubleshooting; 2 - 4 years of experience, no education restriction	1 - 2 years of direct experience specific to AOS	1 each field level or equivalent title
LEVEL III • Staff Professional	Supervises on-site tasks such as system installations and operations, trouble shooting; technical advisor, 5 - 7 years of experience, no education restriction	2 - 4 years of direct experience specific to AOS	none
FIELD SERVICES MANAGER • Project Professional	Overall supervision of field services staff; works with PMs and OM's on scheduling and coordination; 7 - 9 years of experience, no education restriction	4 - 6 years of direct experience specific to AOS	1 each field manager or equivalent title

TABLE E3-4-2

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR
STORMWATER, WASTEWATER, WATER ENGINEERING AND DESIGN**

PERSONNEL CLASSIFICATION	MINIMUM QUALIFICATIONS, RESPONSIBILITIES AND EDUCATION	ADDITIONAL DIRECT EXPERIENCE	MINIMUM STAFFING REQUIREMENTS
PROFESSIONAL PERSONNEL			
LEVEL I • Staff Professional	Close supervision, routine tasks associated with environmental projects; 1 - 2 years of experience; BS degree	1 - 2 years of direct experience specific to AOS	none
LEVEL II • Project Professional	Collects and interprets data, report writing, provides project input; 2 - 4 years of experience, BS degree	2 years of direct experience specific to AOS	1 each equivalent title
LEVEL III • Senior Professional	Limited supervision, independent field work, oversees Levels I and II; 4 - 6 years of experience with BS degree or 1 - 2 years experience with MS degree	2 - 4 years of direct experience specific to AOS with BS degree in related field or 1 - 2 years experience specific to AOS with MS degree in related field	none
LEVEL IV • Project Manager	Manages projects of moderate scope, prepares cost estimates, supervises others; 6 - 8 years experience with BS or registration (Arizona P.E.) or 3 - 4 years of experience with MS degree	4 - 6 years of direct experience specific to AOS with BS degree in related field or registration (Arizona P.E.); 2 - 3 years of experience specific to AOS with MS degree	1 each project manager or equivalent title
LEVEL V • Technical Advisor	Senior technical leader for environmental projects; QA of Project Plans, report review; MS degree in field or registration (Arizona P.E.) and 8 or more years of experience	6 or more years of direct experience specific to AOS	
LEVEL VI • Principal • Senior Technical Director	Recognized registered professional in area of expertise, district/regional responsibility, expert testimony; Ph. D. and 12 or more years of experience	8 or more years of direct experience specific to AOS	

E3-4.3 ENVIRONMENTAL MANAGEMENT/COMPLIANCE ASSISTANCE:

E3-4.3.1 Intent:

UD may require Environmental Management/ Compliance Assistance for specific projects. These services may include permitting, reporting, compliance and program auditing, and environmental management program assistance.

E3-4.3.2 Technical Requirements:

The Contractor(s) retained by the County must meet the following qualifications and must be able to provide the services outlined below.

E3-4.3.2.1 The Contractor shall have the ability to review and assess County facilities or operations for environmental compliance, pollution prevention/waste minimization, and environmental management.

E3-4.3.2.2 The Contractor shall have the ability to prepare environmental permits and plans, and conduct environmental inventories for County owned/operated facilities.

E3-4.3.2.3 The Contractor shall have the ability to conduct pollution prevention/waste minimization studies and prepare pollution prevention/waste minimization plans for County owned/operated facilities.

E3-4.3.2.4 The Contractor shall have experience preparing and reviewing comprehensive environmental management systems for municipal or governmental clients.

E3-4.3.2.5 The Contractor shall have knowledge of applicable federal, state, and County environmental laws, standards, and regulations.

E3-4.3.2.6 Prepare, assess, and present data using, but not limited to, the following: GIS; CADD (release as required UD); and analytical and/or numeric models for tracking, flow, fate, and transport.

E3-4.3.2.7 Document findings in a complete and concisely organized report within the times specified in the Contract. The Contractor shall furnish the UD the requested number of reports. The Contractor shall provide one additional copy to Risk Management for record keeping purposes.

E3-4.3.3 Staff Pricing:

There may be multiple technical disciplines that will fall under the descriptions of each professional level (Table E3-4-3). Professional levels and titles are as defined in Section 2.7 of this RFP.

E3-4.3.4 Equipment Pricing:

Specific equipment may be required for individual Projects. A price list of commonly used equipment is to be provided.

TABLE E3-4-3

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR
ENVIRONMENTAL MANAGEMENT/COMPLIANCE ASSISTANCE**

PERSONNEL CLASSIFICATION	MINIMUM QUALIFICATIONS, RESPONSIBILITIES AND EDUCATION	ADDITIONAL DIRECT EXPERIENCE	MINIMUM STAFFING REQUIREMENTS
SUPPORT SERVICES			
LEVEL I • Secretary • Word Processor • Administrator	Clerical, word processing, filing, general administration; entry level; no experience or education restriction	no direct experience required	none
LEVEL II • Drafter	Drafting, Project Manager's assistant, graphics, 1 - 2 years experience, no education restriction	no direct experience required	none
LEVEL III • Designer	Drafting Supervisor, Administrator Supervisor, no education restriction	no direct experience required	none
FIELD SERVICES			
LEVEL I • Technician	Closely supervised; conducts routine heavy labor during equipment installations; sampling, gauging, equipment maintenance; entry level, 1 - 2 years of experience, no education restriction	1 year of direct experience specific to AOS	none
LEVEL II • Associate Professional	Limited supervision; occasional heavy labor; sampling/ gauging, equipment installations, operations, troubleshooting; 2 - 4 years of experience, no education restriction	1 - 2 years of direct experience specific to AOS	none
LEVEL III • Staff Professional	Supervises on-site tasks such as system installations and operations, trouble shooting; technical advisor, 5 - 7 years of experience, no education restriction	2 - 4 years of direct experience specific to AOS	none
FIELD SERVICES MANAGER • Project Professional	Overall supervision of field services staff; works with PMs and OM's on scheduling and coordination; 7 - 9 years of experience, no education restriction	4 - 6 years of direct experience specific to AOS	none

TABLE E3-4-3

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR
ENVIRONMENTAL MANAGEMENT/COMPLIANCE ASSISTANCE**

PERSONNEL CLASSIFICATION	MINIMUM QUALIFICATIONS, RESPONSIBILITIES AND EDUCATION	ADDITIONAL DIRECT EXPERIENCE	MINIMUM STAFFING REQUIREMENTS
PROFESSIONAL PERSONNEL			
LEVEL I • Staff Professional	Close supervision, routine tasks associated with environmental projects; 1 - 2 years of experience; BS degree	1 - 2 years of direct experience specific to AOS	none
LEVEL II • Project Professional	Collects and interprets data, report writing, provides project input; 2 - 4 years of experience, BS degree	2 years of direct experience specific to SOW AOS	1 each equivalent title
LEVEL III • Senior Professional	Limited supervision, independent field work, oversees Levels I and II; 4 - 6 years of experience with BS degree or 1 - 2 years experience with MS degree	2 - 4 years of direct experience specific to AOS with BS degree in related field or 1 - 2 years experience specific to AOS with MS degree in related field	none
LEVEL IV • Project Manager	Manages projects of moderate scope, prepares cost estimates, supervises others; 6 - 8 years experience with BS or registration (C.I.H., Arizona P.G. or P.E.) or 3 - 4 years of experience with MS degree	4 - 6 years of direct experience specific to AOS with BS degree in related field or registration (C.I.H., Arizona P.G. or P.E.); 2 - 3 years of experience specific to AOS with MS degree	1 each project manager or equivalent title
LEVEL V • Technical Advisor	Senior technical leader for environmental projects; QA of Project Plans, report review; MS degree in field or registration (C.I.H., Arizona P.G. or P.E.) and 8 or more years of experience	6 or more years of direct experience specific to AOS	
LEVEL VI • Principal • Senior Technical Director	Recognized registered professional in area of expertise, district/regional responsibility, expert testimony; Ph. D. and 12 or more years of experience	8 or more years of direct experience specific to AOS	

E3-5.0 INDUSTRIAL HYGIENE/INDOOR AIR QUALITY SERVICES

E3-5.1 INTENT

UD may require Industrial Hygiene/Indoor Air Quality Services for specific projects. These services may include, but not be limited to, indoor air quality sampling and analysis, mold and fungi sampling, indoor air engineering, swipe tests, noise exposure evaluations, and evaluations of work practices and conditions.

E3-5.2 TECHNICAL REQUIREMENTS

The Contractor(s) retained by the County must meet the following qualifications and must be able to provide the services outlined below.

- E3-5.2.1 The Contractor shall have the ability to sample, analyze, and assess indoor air quality and personal exposures within UD work locations. The Contractor shall use sampling and analytical methods approved by appropriate agencies, for example, ADHS, OSHA, EPA, National Institute for Occupational Safety Health (NIOSH), NVLAP, National Lead Laboratory Accreditation Program (NLLAP), American Industrial Hygiene Association (AIHA), American Conference of Government Industrial Hygienists (ACGIH), etc.
- E3-5.2.2 The Contractor shall have the ability to sample, analyze, and assess air quality for workers and sensitive equipment at County work locations as a post-incident response to emergency situations (e.g., fire, sewer pipe break, chemical spill, etc.). The assessment shall require expedited response time in order to allow the County and UD to issue notification to employees and customers of the safety of the work place.
- E3-5.2.3 The Contractor shall have the ability to conduct safety evaluations, evaluations of work practices and conditions, and process hazard analyses at UD work locations.
- E3-5.2.4 The Contractor shall have the ability to conduct noise exposure surveys at UD facilities.
- E3-5.2.5 The Contractor shall have the ability to conduct radiological surveys at UD facilities.
- E3-5.2.6 The Contractor shall have the ability to conduct mold/fungi investigations at UD facilities.
- E3-5.2.6 The Contractor shall have the ability to conduct ventilation evaluations, and control system design, testing, and engineering at UD facilities.
- E3-5.2.7 The Contractor shall have experience conducting risk assessments/analyses and performing appropriate computer modeling. The Contractor shall provide information regarding their experience in risk analysis and modeling.
- E3-5.2.8 The Contractor agrees and understands that some work, when requested in the PSOW, may require the performance of a C.I.H. registered by and consistent with the applicable rules and by-laws of the American Board of Industrial Hygiene. Plans, specifications, reports, and other professional documents, as required by the UD's, must be sealed by such registered professional and must be acceptable to the UD's Project Manager or Project Coordinator in form,

timeliness, contents, and presentation. Copies of these documents will also be provided to Maricopa County Risk Management.

E3-5.2.9 The Contractor agrees and understands that some of the work, when requested in the PSOW, may require the possession of specific licenses and certifications. The Contractor agrees to maintain these licenses and certificates in good standing, and to perform only that work for which the licenses and certifications apply.

E3-5.3 STAFF PRICING

There may be multiple technical disciplines that will fall under the descriptions of each professional level (Table E3-5-1). Professional levels and titles are as defined in Section 2.7 of this RFP.

E3-5.4 EQUIPMENT PRICING

Specific equipment may be required for individual Projects. A price list of commonly used equipment is to be provided.

TABLE E3-5-1

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR
INDUSTRIAL HYGIENE/INDOOR AIR QUALITY SERVICES**

PERSONNEL CLASSIFICATION	MINIMUM QUALIFICATIONS, RESPONSIBILITIES AND EDUCATION	ADDITIONAL DIRECT EXPERIENCE	MINIMUM STAFFING REQUIREMENTS
SUPPORT SERVICES			
LEVEL I • Secretary • Word Processor • Administrator	Clerical, word processing, filing, general administration; entry level; no experience or education restriction	no direct experience required	none
LEVEL II • Drafter	Drafting, Project Manager's assistant, graphics, 1 - 2 years experience, no education restriction	no direct experience required	none
LEVEL III • Designer	Drafting Supervisor, Administrator Supervisor, no education restriction	no direct experience required	none
FIELD SERVICES			
LEVEL I • Technician	Closely supervised; conducts routine heavy labor during equipment installations; sampling, gauging, equipment maintenance; entry level, 1 - 2 years of experience, no education restriction	1 year of direct experience specific to AOS	none
LEVEL II • Associate Professional	Limited supervision; occasional heavy labor; sampling/ gauging, equipment installations, operations, troubleshooting; 2 - 4 years of experience, no education restriction	1 - 2 years of direct experience specific to AOS	1 each field level or equivalent title
LEVEL III • Staff Professional	Supervises on-site tasks such as system installations and operations, trouble shooting; technical advisor, 5 - 7 years of experience, no education restriction	2 - 4 years of direct experience specific to AOS	none
FIELD SERVICES MANAGER • Project Professional	Overall supervision of field services staff; works with PMs and OM's on scheduling and coordination; 7 - 9 years of experience, no education restriction	4 - 6 years of direct experience specific to AOS	1 each field manager or equivalent title

TABLE E3-5-1

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR
INDUSTRIAL HYGIENE/INDOOR AIR QUALITY SERVICES**

PERSONNEL CLASSIFICATION	MINIMUM QUALIFICATIONS, RESPONSIBILITIES AND EDUCATION	ADDITIONAL DIRECT EXPERIENCE	MINIMUM STAFFING REQUIREMENTS
-------------------------------------	---	---	--

PROFESSIONAL PERSONNEL

LEVEL I • Chemist • Industrial Hygienist	Close supervision, routine tasks associated with environmental projects; 1 - 2 years of experience; BS degree	1 - 2 years of direct experience specific to AOS	none
LEVEL II • Project Professional	Collects and interprets data, report writing, provides project input; 2 - 4 years of experience, BS degree	2 years of direct experience specific to AOS	1 each computer modeler, air quality engineer
LEVEL III • Risk Assessor	Limited supervision, independent field work, oversees Levels I and II; 4 - 6 years of experience with BS degree or 1 - 2 years experience with MS degree	2 - 4 years of direct experience specific to AOS with BS degree in related field or 1 - 2 years experience specific to SOW with MS degree in related field	1 each chemical engineer, certified industrial hygienist, risk assessor
LEVEL IV • Project Manager • Certified Industrial Hygienist	Manages projects of moderate scope, prepares cost estimates, supervises others; 6 - 8 years experience with BS or registration (C.I.H.) or 3 - 4 years of experience with MS degree	4 - 6 years of direct experience specific to AOS with BS degree in related field or registration (C.I.H.); 2 - 3 years of experience specific to S AOS with MS degree	1 each project manager or equivalent title
LEVEL V • Technical Advisor	Senior technical leader for environmental projects; QA of Project Plans, report review; MS degree in field or registration (C.I.H. or Arizona P.E.) and 8 or more years of experience	6 or more years of direct experience specific to AOS	
LEVEL VI • Principal • Senior Technical Director	Recognized registered professional in area of expertise, district/regional responsibility, expert testimony; Ph. D. and 12 or more years of experience	8 or more years of direct experience specific to AOS	

E3-6.0 ENVIRONMENTAL TRAINING

E3-6.1 INTENT

UD may require Environmental Training for specific projects. These training services may include, but not be limited to, OSHA 40-Hour Hazardous Waste Worker Training, OSHA Annual Hazardous Waste Refresher Training, AHERA Asbestos Worker Training, AHERA Asbestos Building Inspector / Manager Training, AHERA Asbestos Contractor/Supervisor Training, OSHA Respiratory Protection Training, Respirator Fit Testing, OSHA Confined Space Training, and EPA Lead-Based Paint Inspector /Risk Assessor.

E3-6.2 TECHNICAL REQUIREMENTS

These requirements include, but are not limited to:

- E3-6.2.1 The Contractor shall have the ability to present the OSHA, AHERA, or both OSHA and AHERA training courses listed in Section E3-6.1 of this RFP.
- E3-6.2.2 The Contractor shall have the ability to present the training courses at either a County facility or the Contractor's training facility. The Contractor's training facility will be located within the metropolitan Phoenix area.
- E3-6.2.3 The Contractor shall have the ability to conduct respirator fit testing as described in 29 CFR 1910.134(f).
- E3-6.2.4 The Contractor shall have and maintain for the duration of contract all required federal, state, and local instructor training certifications. The Contractor will notify the County immediately if its training credentials are revoked.

E3-7.0 WASTE DISPOSAL - EMERGENCY/NON-EMERGENCY RESPONSE FOR HAZARDOUS AND/OR INFECTIOUS WASTES

E3-7.1 INTENT

The intent of this section is to obtain hazardous and infectious waste handling and disposal services on an as-needed, if needed, basis in support of the UD's activities for emergency and/or non-emergency response for hazardous and/or infectious wastes as they occur on County sites. Disposal of ordinary solid waste, as defined in Section E3-7.2.1, due to normal County operations, e.g., facility construction, remodeling or demolition, landscaping or weed control, etc., is not considered part of this AOS.

to:

- E3-7.1.1 Emergency response: immediate response/action/mobilization by the Contractor to a UD's request to respond to, contain/clean-up, and dispose of a release of potential or actual hazardous and/or infectious waste found on a County owned/operated site that may present an immediate risk to human health or the environment. Typically, the hazardous and/or infectious waste requiring an emergency response action is found on a highway right-of-way, flood control structure, park land, or vacant land, and is the result of illegal dumping by third parties.
- E3-7.1.2 Non-emergency response: a response/action/mobilization by the Contractor to a UD's request to pick up and dispose of potential or actual hazardous and/or infectious waste at a County owned/operated site that does not present an immediate risk to human health or the environment.

Typically, the non-emergency response hazardous and/or infectious waste is found in a storage area at a County owned/operated site such as a medical laboratory, Sheriff's evidence room, highway or Flood Control Department maintenance yard, or park land, and is the result of waste accumulation from County operations that cannot be disposed as typical solid waste. Where applicable, the UD shall have performed proper waste segregation in approved and appropriate safety packaging (e.g., overpacking drums, "red-bagged" containers, etc.). The Contractor shall take all precautions to ensure the health and safety of all personnel involved in this operation.

E3-7.2 DEFINITIONS

For purposes of clarifications, waste is defined as follows:

- E3-7.2.1 Solid waste: Is defined by EPA as any waste that does not exhibit the characteristics of a hazardous or infectious waste as listed by reference in 40 CFR. Solid waste includes agricultural, bulky, commercial, construction and demolition, food waste, residential, industrial, and mining waste.
- E3-7.2.2 Hazardous waste: Is defined by EPA as any waste or combination of wastes that exhibits the characteristics of a hazardous waste or is listed by reference in 40 CFR. Hazardous waste is any waste which poses a substantial present or potential hazard to human health or living organisms because such waste is nondegradable or persistent in nature or because it can be biologically magnified, or because it can be lethal, or because it may otherwise cause or tend to cause detrimental cumulative effects.
- E3-7.2.3 Infectious waste: Is material containing pathogens with sufficient virulence and quantity so that exposure to the waste by a susceptible host could result in infectious disease. It is further defined by EPA in 40 CFR as:
- Equipment, instruments, utensils, and fomites of a disposable nature from rooms of patients with a communicable disease and must be isolated per public health agency requirements
 - Laboratory wastes such as pathological specimens (e.g., all tissues, specimens of blood elements, excreta, and secretions obtained from patients or laboratory animals) and disposable fomites (any substance that may harbor or transmit pathogenic organisms) attendant thereto
 - Surgical operating room pathologic specimens and disposable fomites attendant thereto and similar disposable materials from outpatient areas and emergency rooms.
- E3-7.2.4 Please note this SOW is concerned solely with the above defined waste and does not concern and shall specifically exclude radioactive or cytotoxic substances, but may include small radioactive waste as defined (<200 microcuries per day of Carbon 14 (uCi/day C14)).

E3-7.3 TECHNICAL REQUIREMENTS

- E3-7.3.1 The Contractor shall meet or exceed the regulations of OSHA, US Food and Drug Administration (FDA), US Department of Energy (DOE), US Department of Transportation (DOT), US Center for Disease Control (CDC), ADHS, ADEQ, Arizona Radiation Regulatory Agency (ARRA), and all other federal, state, or local applicable laws for the handling, containment, removal, transportation, and disposal of hazardous and/or infectious wastes.

E3-7.3.2 The Contractor shall provide appropriate equipment and skilled personnel to perform the requested response.

E3-7.3.3 The Contractor shall provide, upon request by the UD and/or Risk Management, the supporting documentation that all its personnel have been properly trained to perform their duties as outlined by all applicable standards.

E3-7.3.4 Waste Transportation And Disposal:

E3-7.3.4.1 The Contractor shall provide the UD and Risk Management with supporting documents and manifests to verify that the waste has been properly transported by an appropriately certified

E3-7.3.4.2 The Contractor shall provide the UD and Risk Management with supporting documents to verify that the waste has been properly received and disposed by an appropriately certified treatment facility.

E3-7.3.5 Waste Ownership:

E3-7.3.5.1 Hazardous waste. As required by statute, the County shall retain title to the hazardous waste removed and disposed by the Contractor. Ownership is terminated only when the material destroyed and its remaining components are considered non-hazardous.

E3-7.3.5.2 Infectious waste. The Contractor shall take title to the infectious waste upon possession. The Contractor shall render the waste harmless prior to disposal. The Contractor shall perform this service at its own risk and shall hold the UD and Maricopa County harmless once title is taken. Additionally, the Contractor shall:

- Submit a contingency plan in the pick-up, rendering, and disposition of said waste in the event of non-performance.
- Submit appropriate scientific documentation in support of methodology used for sterilization or disinfection.
- Provide information that its operation is citation free and incident free, documenting capacity operation history and capability for processing and disposition.
- Provide a tracking system for collection, rendering, and disposition by site and poundage.
- Submit quality control and assurance results of all biological monitoring, maintenance logs, downtime logs, training logs, and exposure control plan upon request.
- Provide documentation explaining the facilities capacity for pick-up, rendering, and disposition.
- Disclose the location where final rendered waste is disposed.
- Provide a site visitation upon request by the UD, Materials Management or Risk Management at no cost to Maricopa County.

E3-7.4 REPORTING

The Contractor shall document the clean-up, removal, transportation, and disposal in a complete and concisely organized report within 15 calendar days after the emergency response has been completed to assure compliance with any time requirements specified by federal, state, or local laws, rules, regulations, or ordinances. The Contractor shall furnish the UD the requested number of reports. The Contractor shall provide one additional copy to Risk Management for record keeping purposes.

E3-7.5 COST

The Contractor shall provide pricing for emergency and non-emergency responses.

E3-7.5.1 Emergency Response:

It is understood that specific costs cannot be quoted by the Contractor prior to responding to any emergency cleanup and disposal because of the unknown nature of the release. However, once the release has been contained and is ready for disposal, the Contractor shall provide the UD with verbal and faxed cost estimates to transport and dispose of the wastes. These cost estimates shall include the incurred costs of responding to the release, the on-site classification of the waste, and containment.

E3-7.5.2 Non-Emergency Response:

The UD may request quotes from Contractors for transport and disposal of non-emergency response wastes for both scheduled routine disposals (e.g., redbag wastes from Medical Examiner's Office, Public Health facilities) and on an as-needed basis (e.g., spent chemicals from MCDOT's materials testing laboratory, Equipment Services). Any contracts awarded under the terms of this RFP for routine disposals shall be terminated as indicated in the PSCOW or at the expiration of this RFP unless the period of the RFP is extended, whichever is earlier.

The Contractor shall provide the UD with a cost estimate to package the UD's contained wastes for transport, transportation, and disposal prior to any work. The cost estimate should contain rationale for the Contractor's selected means of disposal(s).

E3-8.0 LABORATORY AND ANALYTICAL SERVICES

E3-8.1 INTENT

The intent of this section is to have a contract for the following categories, soil/solid, drinking water, wastewater, hazardous waste, toxics in air, asbestos, lead, fungi and molds, and materials testing and analytical services for UD as required. Laboratories will be listed by category(s) of analytic services provided.

E3-8.2 TECHNICAL REQUIREMENTS

The laboratory retained by the County must meet the following qualifications and must be able to provide the services outlined below.

E3-8.2.1 Laboratory must be certified ADHS, NVLAP, NLLAP, or AIHA as appropriate.

E3-8.2.2 Laboratory must be capable of conducting analyses using the listed EPA method, if given. If required EPA methodology changes or is updated, the County will notify the Laboratory in writing to utilize the different analytical method. Laboratory must submit a list(s) of analyses which can be performed by the laboratory. Analyses which require subcontractors should be indicated. Laboratory should provide a list of published prices and the discount off of these prices that is available to the County through this contract.

E3-8.2.3 Laboratory shall use the most current analytical methods prescribed by EPA, as appropriate. Laboratory shall not use a different method unless clearance is first obtained from the County.

- E3-8.2.4 Laboratory must adhere to procedures as promulgated in 21 CFR 58 “Good Laboratory Practices”; the criteria described in “Methods for Chemical Analysis of Water and Wastes” 1979 (EPA-600/4-70-020); “Test Methods for the Analysis of Solid Wastes” (SW-846, 3rd Ed.); the Federal Register 40 FR part 136”, October 1984, and by the American Society for Testing Materials (ASTM), or the latest issuance of these documents.
- E3-8.2.5 Laboratory must have a Quality Assurance/Quality Control (QA/QC) program in place to assure consistency and continuity of data. QA/QC manual must be available upon request. Laboratory shall be open for audits or inspections at mutually agreeable times.
- E3-8.2.6 Laboratory must be able to complete analyses and return results to the UD within four (4) weeks from receipt of samples at Laboratory. Furthermore, laboratory shall, upon request and with reasonable notice, analyze samples on a RUSH basis with turnarounds of 1 week or less.
- E3-8.2.7 Laboratory will return results to the Using Department in hard copy form.
- E3-8.2.8 Laboratory will also return results to the UD on CD. Data on CD shall be in ASCII, Comma Delineated, or other format agreed upon between laboratory and UD.
- E3-8.2.9 Laboratory reports (hard copies) shall include the following information: Client Sample I.D. Number, Sample Type, Sampled By, Submitted By, Source of Sample, Analyst, Sample Date, Submitted Date, Analysis Date, Extraction Date.
- E3-8.2.10 In the event of anomalous or nonconforming results, the laboratory will endeavor to explain these results to the satisfaction of the UD.
- E3-8.2.11 Laboratory will supply bottle and preservatives as requested.
- E3-8.2.12 Laboratory will provide travel blanks.
- E3-8.2.13 Laboratory will provide field blanks.
- E3-8.2.14 Laboratory shall provide all required sampling forms such as chains of custody and labels to the UD.
- E3-8.2.15 Laboratory shall provide Material Safety Data Sheets (MSDS) for sample preservatives to the UD as required in 29 CFR 1910.1200.
- E3-8.2.16 Analysis of samples will occur during normal operating hours of the lab. The UD may require that the lab have someone available during off hours to receive and process the grab and composite samples so that they can be properly preserved for analysis.

E3-9.0 DRILLING SERVICES

E3-9.1 INTENT

The intent of this AOS is to obtain drilling services on an as-needed, if needed basis in support of the US's activities for limited environmental and/or geotechnical investigations at selected County sites. These services include, but are not limited to:

- Drilling test borings for environmental and/or geotechnical investigations
- Collection of soil/solid material samples
- Installations of groundwater/soil vapor monitoring and extraction well

- Drilling large capacity groundwater production wells for various purposes including domestic, industrial, and agricultural use
- Development of wells involving groundwater extraction
- Aquifer testing
- Pump installation and/or removal
- Well abandonment.

E3-9.2 TECHNICAL REQUIREMENTS

E3-9.2.1 Maricopa County does not guarantee any amount of work. These services may be provided by the Contractor's in-house resources or through subcontracts awarded on a task-by-task basis.

E3-9.2.2 The Contractor shall perform all oversight, preparation, and implementation of investigation and cleanup measures pursuant to the current provisions of A.R.S. Title 49 and in conformance with all applicable federal, state, and local laws, ordinances, and regulations.

E3-9.2.3 The Contractor shall provide any and all of the contract services as stipulated in the PSOW issued by the UD. Such services will be provided in a manner specified or approved by the UD and/or the satisfaction of ADWR and/or ADEQ. The services include the personnel, materials, and equipment required to complete the ordered work. The Contractor may subcontract for certain task order work as indicated elsewhere in the PSOW.

E3-9.2.4 Services to be provided under any resultant contract may include but are not limited to:

E3-9.2.4.1 Subsurface Drilling: Subsurface drilling capabilities including but not limited to:

- Hollow-stem auger (including angle borings)
- Direct mud rotary, air rotary
- Air rotary with casing driver
- Dual wall reverse circulation
- Dual wall percussion
- Reverse circulation rotary
- Resonant sonic
- Direct push methods
- Any other commercially available method.

E3-9.2.4.2 Using a variety of sampling methods including, but not limited to:

- Split spoon soil sampling
- Core barrel soil sampling
- Specialized thin wall tool soil sampling.

E3-9.2.4.3 Groundwater/Vadose Zone Well Installation: Ground- water/vadose zone well installation and completion or maintenance capabilities for monitoring, extraction, and/or production wells including but not limited to:

- Well development (bailing, pumping/over-pumping/ backwashing, surge block, air surge, airlift pumping or other available methods)
- Well abandonment procedures (cementing/grouting)
- Well rehabilitation (redevelopment, screen replacement, chemical treatment).

E3-9.2.4.4 Aquifer and Well Testing: Aquifer and well testing capabilities and personnel with experience and expertise to perform and interpret information including but not limited to:

- Pumping tests performed on wells completed in a variety of aquifer conditions
- Variable discharge tests
- Recovery tests
- Well-performance tests
- Slug tests.

E3-9.3 LICENSURE

All contractors will be required to be currently licensed by the Registrar of Contractors and ADWR as well drillers. All test drilling, well installations, and well abandonment will be done in conformance with ADWR rules and regulations.

E3-9.4 ADWR FILINGS

The UD's Project Manager or Project Coordinator, when required as test boring/well owner, shall be responsible for preparing and submitting any Notice of Intent to Drill (NOID) or Notice of Intention to Abandon a Well (NOIA) forms to ADWR. Upon receipt of the NOIDs/NOIAs, the ADWR Director shall mail the well drilling permits/abandonment cards to the designated well drilling contractor. Only after ADWR has issued the drilling permits/abandonment cards may the well drilling contractor commence drilling/abandonment of the test borings/wells.

The well drilling contractor shall notify the UD's Project Manager or Project Coordinator and Risk Management in writing no later than 14 days after test boring/well completion/well abandonment has been completed. The notification(s) shall be formatted in a manner acceptable to ADWR and include the well owners name, the location of the well, and the method of abandonment. The UD shall notify ADWR in writing no later than 30 days after set boring/well completion/well abandonment has been completed by forwarding the well drilling contractor's completed notification(s).

E3-10.0 UNDERGROUND STORAGE TANK TIGHTNESS TESTING AND ABOVEGROUND STORAGE TANK CERTIFICATION

Maricopa County currently has thirteen (13) USTs used for storage of vehicle fuel and six (6) USTs used for diesel-fueled electrical back-up generators. The County also has a number of aboveground storage tanks (ASTs) used for fuel and waste oil storage. The number of County-owned tanks is subject to change depending on the needs/requirements of the Using Department.

E3-10.1 SCOPE OF WORK

E3-10.1.1 The scope of work is Arizona State Mandated guidelines (A.R.S. § 49-1001 to 1021 and Arizona Administrative Code R18-12) for annual UST Tightness Testing, Inventory Control, ATG monitoring (Overspill/Overfill Containment) for both unleaded and diesel tanks, and Vapor Recovery Testing for unleaded tanks. All testing equipment shall be provided by the Contractor. If new tests for this SOW are mandated by EPA/ADEQ during the life of this RFP, then all qualified Contractors will be notified and requested to submit a cost per test addendum.

E3-10.1.2 The Contractor shall coordinate the dates, time, and site locations with the Using Department, Maricopa County Facilities & Equipment Management Department (FEMD) at 506-4481, and the Arizona Department of Weights & Measurement at 451-2969 before conducting the Stage II Vapor Recovery Test. These parties must be present. The Contractor shall also notify Risk Management at 506-2891 or 506-5063 of any tests to be performed; however, no Risk Management personnel are required to be present for such tests.

E3-10.1.3 State legislation, effective December 31, 1996, requires certification of UST service providers with ADEQ. The Contractor's technician must have a certification I.D. number with ADEQ and proof of such is to accompany a response to this quotation. A Certification Of Compliance shall be issued in the result of passing; included with data sheets stating the test methods and the results.

E3-10.1.4 According to federal spill prevention regulations, 40 CFR 112.8(c)(6), all bulk ASTs must be tested for shell integrity according to industry standard on a regular schedule and after any material repairs. All oil containing ASTs shall be inspected according to the American Petroleum Institute (API) Standard 653. These tests include visual inspection by an authorized inspector, external ultrasonic shell thickness testing and internal tank bottom integrity testing. The contractor shall provide qualified personnel and equipment to conduct the necessary testing.

E3-10.2 REPORTING

The Contractor shall provide a written report to the Using Department within ten (10) business days following the completion of the tests. One (1) copy of the report shall be sent to Risk Management for record-keeping purposes only.

E3-11.0 ENVIRONMENTAL ASSESSMENTS / ENVIRONMENTAL IMPACT STATEMENTS

The Contractor shall have the ability to conduct biological and cultural assessments and surveys in support of County projects. These may include Environmental Assessments (EA) and Environmental Impact Statements (EIS) as required under the National Environmental Policy Act (NEPA).

- Biological and/or cultural assessment research design
- Assessment survey (field surveys)
- Wetland delineation
- Hydrological assessments and vegetation studies
- Biological characterization, interpretation and reporting
- Computer modeling
- Preparation of EA/EIS documentation
- Project area biological and/or monitoring
- Implementation of project and mitigation measures
- Attend public meetings
- Interagency coordination.

E3-11.1 Work Plans:

Prepare detailed work plans, testing plans, and/or design field studies as required. All plans shall comply with applicable federal and state requirements in effect at the time services are performed or which are reasonably foreseeable.

E3-11.2 Investigative Measures:

Conduct data gathering and field monitoring activities. These may include biological surveys, characterizations, and monitoring; wetland delineations; various levels of cultural surveys; historical archival research; Historic American Buildings Survey (HABS); and archeological testing.

If required by the UD, the Contractor may provide services in support of the investigation, planning, compliance, and cleanup activities of the UD sites. These services, if required, shall include field and office oversight during investigations, demolitions, excavations, and cleanups. These services may involve UD case file reviews. The Contractor shall perform these oversight investigations and suggest corrective actions with respect to environmental and cultural issues covered in the PSOW and pursuant to the existing provisions of the Arizona Revised Statutes, Department policies and guidelines, and all applicable federal, state, and local laws, ordinances, and regulations. The Contractor shall conform to OSHA regulations for health and safety of employees, as applicable.

E3-11.3 Cultural Resource Studies:

UDs who are planning to undertake or fund activities involving sites, buildings, structures, or objects that are fifty (50) years old or older may be required to consult with the Arizona State Historic Preservation Officer (SHPO) in accordance with A.R.S. § 41-861 to 41-864 et seq as amended, and may be required to comply with the rules, regulations, and policy guidelines and standards established by SHPO. If the Project has federal involvement, Cultural Resource Management consultant must have: the ability to meet Secretary of the Interior's Standards; ability to obtain an ARPA Permit; ability to meet the standards of 36 CFR 800 and Sections 106 and 110 of the National Historic Preservation Act of 1966 as amended; ability to meet the provisions of the

NAGPRA; and ability to implement the concepts outlined in National Park Service Bulletin 38 for Traditional Cultural Properties.

These services may be provided by in-house staff personnel or a subcontractor. OSHA training may be a requirement for archaeological services as indicated in the Contractor's Health and Safety Plan or as specified in the UD PSOW.

E3-11.4 Data Assessment And Presentation:

Prepare, assess, and present data using, but not limited to, the following: Geographic Information Systems (GIS); CADD (release as required by UD); and analytical and/or numeric models to support the preparation of EA/EIS.

E3-11.5 Report:

Document findings in a complete and concisely organized EA/EIS or Project report within the times specified in the Project Contract. The report shall include recommendations regarding further actions at the site. The Contractor shall furnish the UD the requested number of hard copy and specified electronic media reports. The Contractor shall provide one additional copy to Risk Management for record keeping purposes.

E3-11.6 Agency Coordination:

Provide the personnel services, materials, and equipment to assist UD in coordinating with appropriate federal, state and local agencies, responsible parties and their agents, public interest groups, the media, and public notifications and meetings.

TABLE E 3-11-1

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR ENVIRONMENTAL ASSESSMENT\ENVIRONMENTAL IMPACT STATEMENTS**

PERSONNEL CLASSIFICATION	MINIMUM QUALIFICATIONS, RESPONSIBILITIES AND EDUCATION	ADDITIONAL DIRECT EXPERIENCE	MINIMUM STAFFING REQUIREMENTS
SUPPORT SERVICES			
LEVEL I • Secretary • Word Processor • Administrator	Clerical, word processing, filing, general administration; entry level; no experience or education restriction	no direct experience required	None
LEVEL II • Drafter	Drafting, Project Manager's assistant, graphics, 1 - 2 years experience, no education restriction	no direct experience required	None
LEVEL III • Designer	Drafting Supervisor, Administrator Supervisor, Senior Word Processor; 2 - 4 years experience, no education restriction	no direct experience required	None
FIELD SERVICES			
LEVEL I • Technician	Closely supervised; conducts routine heavy labor during equipment installations; sampling, gauging, equipment maintenance; entry level, 1 - 2 years of experience, no education restriction	1 year of direct experience specific to AOS	None
LEVEL II • Associate Professional	Limited supervision; occasional heavy labor; sampling/ gauging, equipment installations, operations, troubleshooting; 2 - 4 years of experience, no education restriction	1 - 2 years of direct experience specific to AOS	1 each field level or equivalent title
LEVEL III • Staff Professional	Supervises on-site tasks such as system installations and operations, trouble shooting; technical advisor, 5 - 7 years of experience, no education restriction	2 - 4 years of direct experience specific to AOS	None
FIELD SERVICES MANAGER • Project Professional	Overall supervision of field services staff; works with PMs and OMs on scheduling and coordination; 7 - 9 years of experience, no education restriction	4 - 6 years of direct experience specific to AOS	1 each field manager or equivalent title

TABLE E 3-11-1

**MINIMUM QUALIFICATIONS, RESPONSIBILITIES, EDUCATION, DIRECT EXPERIENCE
AND STAFFING REQUIREMENTS FOR ENVIRONMENTAL ASSESSMENT/ENVIRONMENTAL IMPACT STATEMENTS**

PERSONNEL CLASSIFICATION	MINIMUM QUALIFICATIONS, RESPONSIBILITIES AND EDUCATION	ADDITIONAL DIRECT EXPERIENCE	MINIMUM STAFFING REQUIREMENTS
PROFESSIONAL PERSONNEL			
LEVEL I • Staff Professional	close supervision, routine tasks associated with environmental Projects; 1 - 2 years of experience; BS degree	1 - 2 years of direct experience specific to AOS	None
LEVEL II • Project Professional	collects and interprets data, report writing, provides Project input; 2 - 4 years of experience, BS degree	2 years of direct experience specific to SOW	2 each comprised of either engineer, geologist, hydrologist, environmental scientist or equivalent title
LEVEL III • Senior Professional	limited supervision, independent field work, oversees Levels I and II; 4 - 6 years of experience with BS degree or 1 - 2 years experience with MS degree	2 - 4 years of direct experience specific to AOS with BS degree in related field or 1 - 2 years experience specific to AOS with MS degree in related field	1 each comprised of either engineer, geologist, hydrologist, environmental scientist or equivalent title
LEVEL IV • Project Manager	manages Projects of moderate scope, prepares cost estimates, supervises others; 6 - 8 years experience with BS or registration (Arizona R.G. or P.E.) or 3 - 4 years of experience with MS degree	4 - 6 years of direct experience specific to AOS with BS degree in related field or registration (Arizona R.G. or P.E.); 2 - 3 years of experience specific to AOS with MS degree	2 each Project manager or equivalent title
LEVEL V • Technical Advisor	senior technical leader for environmental Projects; QA of Project Plans, report review; MS degree in field or registration (Arizona R.G. or P.E.) and 8 or more years of experience	6 or more years of direct experience specific to AOS	
LEVEL VI • Principal • Senior Technical Director	recognized registered professional in area of expertise, district/regional responsibility, expert testimony; or Ph. D. and 12 or more years of experience	8 or more years of direct experience specific to AOS	

ALLSTATE SERVICES ENVIRONMENTAL INC., 3030 N CENTRAL AVENUE #409, PHOENIX, AZ 85012

P089502 / B0603374 / NIGP CODE, 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

1.0 PRICING

3-3 Asbestos and Lead-Based Paint Assessment and Abatement

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1 Technical Director	\$95	PER HOUR
1.2 Project Manager	\$75	PER HOUR
1.3 Project Engineer/Scientist	\$62	PER HOUR
1.4 Technician	\$55	PER HOUR
1.5 Clerical	\$40	PER HOUR
1.6 Laboratory Services	20 % OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGIANL PROPOSAL)	

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Equipment Truck	\$50.00	\$200.00	N/A	Yes	\$0.35
2.2 Negative Air Machine	\$75.00	\$350.00	N/A	Yes	N/A
2.3 Hepa Vacuum	\$50.00	\$200.00	N/A	Yes	N/A
2.4 Generator	\$75.00	\$350.00	N/A	Yes	N/A
2.5 Miscellaneous Hand Tools	\$25.00	\$100.00	N/A	Yes	N/A
2.6 Visqueen	\$25/roll	N/A	N/A	N/A	N/A

3-6 Environmental Training

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1 Technical Director	\$95	PER HOUR
1.2 Project Manager	\$75	PER HOUR
1.3 Project Engineer/Scientist	\$62	PER HOUR
1.4 Technician	\$55	PER HOUR
1.5 Clerical	\$40	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Student Manuals	\$10.00	N/A	N/A	N/A	N/A

ALLSTATE SERVICES ENVIRONMENTAL INC., 3030 N CENTRAL AVENUE #409, PHOENIX, AZ 85012

Terms:	NET 30
Vendor Number:	W000003179 X
Telephone Number:	602/256-9110
Fax Number:	602/256-9603
Contact Person:	Kathy McCloskey Daren Bryant
E-mail Address:	kmccloskey@allstate-services.com aseiph@allstate-services.com
Company Web Site:	www.allstate-services.com
Certificates of Insurance	Required
Contract Period:	To cover the period ending NOVEMBER 30, 2008

AMEC EARTH & ENVIRONMENTAL INC., **1405 WEST AUTO DRIVE, PHOENIX, AZ 85284**
3232 W VIRGINIA AVENUE, PHOENIX, AZ 85009

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☐ YES ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
 (Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

2.0 PRICING

3-1 Environmental Site Assessment and Investigation

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1 Technical Director	\$125 PER HOUR
1.2 Project Manager	\$95 PER HOUR
1.3 Project Engineer/Scientist	\$85 PER HOUR
1.4 Technician	\$65 PER HOUR
1.5 Clerical	\$50 PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Do/Ph/Conductivity Meter	\$25.00	\$90.00	N/A	Yes	N/A
2.2 Stainless Steel Bailer	\$20.00	\$75.00	N/A	Yes	N/A
2.3 Ground Penetrating Radar	\$550.00	\$2,000.00	N/A	Yes	N/A
2.4 Peristaltic Pump	\$30.00	\$80.00	N/A	Yes	N/A
2.5 Bladder Pump	\$40.00	\$160.00			
2.6 O/W Interface Probe	\$50.00	\$150.00	N/A	Yes	N/A
2.7 GPS Unit	\$50.00	\$150.00	N/A	Yes	N/A
2.8 Decon Equipment	\$45.00	\$125.00	N/A	Yes	N/A
Environmental Sampling					
2.9 Kit/Hand Auger	\$50.00	\$180.00	N/A	Yes	N/A
2.10 ID	\$125.00	\$500.00	N/A	Yes	N/A
2.11 FID	\$100.00	\$400.00	N/A	Yes	N/A
2.12 Grundfos Pump/2"	\$80.00	\$300.00	N/A	Yes	N/A
2.13 Water Level Indicator	\$30.00	\$100.00	N/A	Yes	N/A
2.14 Generator	\$65.00	\$275.00	N/A	No	N/A
2.15 GCI/O2 Meter	\$40.00	\$170.00	N/A	Yes	N/A
2.16 Truck/Vehicle	\$75.00	\$300.00	N/A	Yes	N/A
2.17 Digital Camera	\$30.00	\$112.00	N/A	Yes	N/A

3.0 ESCALATION SCHEDULE

3.1 2nd Year Period	<u>2</u>	% Maximum Increase
3.2 3rd Year Period	<u>5</u>	% Maximum Increase
3.3 4th Year Period	<u>7</u>	% Maximum Increase
3.4 5th Year Period	<u>9</u>	% Maximum Increase

1405 WEST AUTO DRIVE, PHOENIX, AZ 85284

AMEC EARTH & ENVIRONMENTAL INC., 3232 W VIRGINIA AVENUE, PHOENIX, AZ 85009

3-2 Remediation**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$125	PER HOUR
1.2	Project Manager	\$ 95	PER HOUR
1.3	Project Engineer/Scientist	\$ 85	PER HOUR
1.4	Technician	\$ 65	PER HOUR
1.5	Clerical	\$ 50	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Do/Ph/Conductivity Meter	\$25.00	\$90.00	N/A	Yes	N/A
2.2 Stainless Steel Bailer	\$20.00	\$75.00	N/A	Yes	N/A
2.3 Ground Penetrating Radar	\$550.00	\$2,000.00	N/A	Yes	N/A
2.4 Peristaltic Pump	\$30.00	\$80.00	N/A	Yes	N/A
2.5 Bladder Pump	\$40.00	\$160.00			
2.6 O/W Interface Probe	\$50.00	\$150.00	N/A	Yes	N/A
2.7 GPS Unit	\$50.00	\$150.00	N/A	Yes	N/A
2.8 Decon Equipment	\$45.00	\$125.00	N/A	Yes	N/A
Environmental Sampling					
2.9 Kit/Hand Auger	\$50.00	\$180.00	N/A	Yes	N/A
2.10 PID	\$125.00	\$500.00	N/A	Yes	N/A
2.11 FID	\$100.00	\$400.00	N/A	Yes	N/A
2.12 Grundfos Pump/2"	\$80.00	\$300.00	N/A	Yes	N/A
2.13 Water Level Indicator	\$30.00	\$100.00	N/A	Yes	N/A
2.14 Generator	\$65.00	\$275.00	N/A	No	N/A
2.15 GCI/O2 Meter	\$40.00	\$170.00	N/A	Yes	N/A
2.16 Truck/Vehicle	\$75.00	\$300.00	N/A	Yes	N/A
2.17 Digital Camera	\$30.00	\$112.00	N/A	Yes	N/A

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>2</u>	% Maximum Increase
3.2	3rd Year Period	<u>5</u>	% Maximum Increase
3.3	4th Year Period	<u>7</u>	% Maximum Increase
3.4	5th Year Period	<u>9</u>	% Maximum Increase

3-3 Asbestos and Lead-Based Paint Assessment and Abatement**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$125	PER HOUR
1.2	Project Manager	\$95	PER HOUR
1.3	Project Engineer/Scientist	\$85	PER HOUR
1.4	Technician	\$65	PER HOUR
1.5	Clerical	\$50	PER HOUR

1405 WEST AUTO DRIVE, PHOENIX, AZ 85284
AMEC EARTH & ENVIRONMENTAL INC., 3232 W VIRGINIA AVENUE, PHOENIX, AZ 85009

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Air Monitoring Pump & Filters	\$25.00	\$125.00	\$275.00	Yes	N/A
2.2 Truck Vehicle	\$65.00	\$245.00	N/A	Yes	N/A
2.3 Digital Camera	\$30.00	\$112.00	N/A	Yes	N/A

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>2</u>	% Maximum Increase
3.2	3rd Year Period	<u>5</u>	% Maximum Increase
3.3	4th Year Period	<u>7</u>	% Maximum Increase
3.4	5th Year Period	<u>9</u>	% Maximum Increase

3-4 Environmental Engineering Services**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$125	PER HOUR
1.2	Project Manager	\$95	PER HOUR
1.3	Project Engineer/Scientist	\$85	PER HOUR
1.4	Technician	\$65	PER HOUR
1.5	Clerical	\$50	PER HOUR

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>2</u>	% Maximum Increase
3.2	3rd Year Period	<u>5</u>	% Maximum Increase
3.3	4th Year Period	<u>7</u>	% Maximum Increase
3.4	5th Year Period	<u>9</u>	% Maximum Increase

3-5 Industrial Hygiene/Indoor Air Quality Laboratory Services**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$125	PER HOUR
1.2	Project Manager	\$95	PER HOUR
1.3	Project Engineer/Scientist	\$85	PER HOUR
1.4	Technician	\$65	PER HOUR
1.5	Clerical	\$50	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Truck Vehicle	\$65.00	\$245.00	N/A	Yes	N/A
2.2 Digital Camera	\$30.00	\$112.00	N/A	Yes	N/A
2.3 Single Stage Microbial Sampler	\$65.00	\$325.00	N/A	Yes	N/A
2.4 High Volume Pump	\$50.00	\$250.00	N/A	Yes	N/A
2.5 Bio-Hazard Pump	\$150.00	\$500.00	N/A	No	N/A
2.6 Microbial Inspection Kit	\$150.00	\$450.00	N/A	Yes	N/A
2.7 Wall Check Kit	\$40.00	\$300.00	N/A	Yes	N/A
2.8 HEPA Vacuum	\$40.00	\$150.00	N/A	Yes	N/A
2.9 Reference the attached "Industrial Hygiene/Indoor Air Quality Laboratory Services Price List" at the end of this section.					

1405 WEST AUTO DRIVE, PHOENIX, AZ 85284
AMEC EARTH & ENVIRONMENTAL INC., ~~3232 W VIRGINIA AVENUE, PHOENIX, AZ 85009~~

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	2	% Maximum Increase
3.2	3rd Year Period	5	% Maximum Increase
3.3	4th Year Period	7	% Maximum Increase
3.4	5th Year Period	9	% Maximum Increase

3-8 Laboratory and Analytical Services**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$125	PER HOUR
1.2	Project Manager	\$ 95	PER HOUR
1.3	Project Engineer/Scientist	\$ 85	PER HOUR
1.4	Technician	\$ 65	PER HOUR
1.5	Clerical	\$ 50	PER HOUR

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	2	% Maximum Increase
3.2	3rd Year Period	5	% Maximum Increase
3.3	4th Year Period	7	% Maximum Increase
3.4	5th Year Period	9	% Maximum Increase

3-11 Environmental Assessments/Environmental Impact Statements**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$125	PER HOUR
1.2	Project Manager	\$ 95	PER HOUR
1.3	Project Engineer/Scientist	\$ 85	PER HOUR
1.4	Technician	\$ 65	PER HOUR
1.5	Clerical	\$ 50	PER HOUR

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	2	% Maximum Increase
3.2	3rd Year Period	5	% Maximum Increase
3.3	4th Year Period	7	% Maximum Increase
3.4	5th Year Period	9	% Maximum Increase

Terms: NET 30

Vendor Number: **W000001853 X**

Telephone Number: ~~602/272-6848~~ **480/940-2320**

Fax Number: ~~602/272-7239~~ **480/785-0970**

Contact Person: ~~Julianne Hamilton/Kent Adams~~ **Karen Peters**

E-mail Address: ~~jhamilton@agraus.com~~ **karen.peters@amec.com**

Company Web Site: **www.amec.com**

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

THE ASBESTOS INSTITUTE, 8102 N 23RD AVE SUITE #A, PHOENIX, AZ 85021**P089502 / B0603374 / NIGP CODE 91843**WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☒ YES ☐ NOREBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☐ NO ☒ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**3-6** Environmental Training**ENVIRONMENTAL TRAINING PRICE SCHEDULE**

COURSE NAME Cost per Person

AHERA Building Inspector	360.00
AHERA Management Planner	240.00
AHERA Contractor/Supervisor	625.00
AHERA Worker	425.00
AHERA Refreshers - 1 Day	110.00
AHERA Inspector Refresher	55.00
40 Hour Hazmat	650.00
8 Hour Hazmat Refresher	135.00
Operations and Maintenance	210.00
2 Hour Asbestos Awareness	50.00
Lead Inspector	405.00
Lead Risk Assessor	270.00
Lead Supervisor	540.00
Lead Worker	350.00
Lead Refreshers	175.00
Respirator Training/Fit Testing	20.00
(no charge when included with any course)	

Terms: NET 30

Vendor Number: **W000003149 X**

Telephone Number: 602/864-6564

Fax Number: 602/864-7760

Contact Person: ~~William T. Cavness~~ **Kim Junkins**E-mail Address: bill@taiinfo.com kim@taiinfo.comCompany Web Site: www.taiinfo.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

BRYAN A STIRRAT & ASSOCIATES INC, 1422 N 44TH STREET SUITE #109, PHOENIX, AZ 85008**P089502 / B0603374 / NIGP CODE 91843**WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☒ YES ☐ NOREBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☒ YES ☐ NO ☐ 2 % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**3-1 Environmental Site Assessment & Investigation****PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$128 425	PER HOUR
1.2	Project Manager	\$ 93 94	PER HOUR
1.3	Project Engineer/Scientist	\$ 78 76	PER HOUR
1.4	Technician	\$ 61 60	PER HOUR
1.5	Clerical	\$ 41 40	PER HOUR
1.6	Laboratory Services	30 % OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGINAL PROPOSAL)	

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Field Vehicle	\$ 48	\$200	\$700	Yes	
2.2 PID (OVM 850B)	\$120	\$350	\$900	Yes	
2.3 FID (OVA 128)	\$120	\$350	\$900	Yes	
2.4 PH/Conductivity/Temp Meter	\$ 20	\$ 80	\$150	Yes	
2.5 Liquid Level Sounder	\$ 30	\$120	\$200	Yes	
2.6 Turbidity Meter	\$ 25	\$100	\$200	Yes	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	3	% Maximum Increase
3.2	3rd Year Period	3	% Maximum Increase
3.3	4th Year Period	3	% Maximum Increase
3.4	5th Year Period	3	% Maximum Increase

3-2 Remediation**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$128 425	PER HOUR
1.2	Project Manager	\$ 93 94	PER HOUR
1.3	Project Engineer/Scientist	\$ 78 76	PER HOUR
1.4	Technician	\$ 61 60	PER HOUR
1.5	Clerical	\$ 41 40	PER HOUR
1.6	Laboratory Services	30 % OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGINAL PROPOSAL)	

BRYAN A STIRRAT & ASSOCIATES INC, 1422 N 44TH STREET SUITE #109, PHOENIX, AZ 85008

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Field Vehicle	\$ 48	\$200	\$700	Yes	
2.2 PID (OVM 850B)	\$120	\$350	\$900	Yes	
2.3 FID (OVA 128)	\$120	\$350	\$900	Yes	
2.4 PH/Conductivity/Temp Meter	\$ 20	\$ 80	\$150	Yes	
2.5 Liquid Level Sounder	\$ 30	\$120	\$200	Yes	
2.6 Turbidity Meter	\$ 25	\$100	\$200	Yes	

3.0 ESCALATION SCHEDULE

3.1 2nd Year Period	3	% Maximum Increase
3.2 3rd Year Period	3	% Maximum Increase
3.3 4th Year Period	3	% Maximum Increase
3.4 5th Year Period	3	% Maximum Increase

Terms: NET 30

Vendor Number: **W000001447 X**

Telephone Number: 602/267-0336

Fax Number: 602/267-0446

Contact Person: ~~Ira Snyder~~ **Keith Johnson**

E-mail Address: ~~rbauer@bas.com~~ kjohnson@bas.com

Company Web Site: www.bas.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

CAMP DRESSER & MCKEE INC. CDM, 4201 N 24TH STREET SUITE 205, PHOENIX, AZ 85016**P089502 / B0603374 / NIGP CODE 91843**WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☐ YES ☒ NOREBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☐ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**3-2 Remediation****PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$155 PER HOUR
1.2	Project Manager	\$120 PER HOUR
1.3	Project Engineer/Scientist	\$ 80 PER HOUR
1.4	Technician	\$ 60 PER HOUR
1.5	Clerical	\$ 40 PER HOUR
1.6	Laboratory Services	15 % OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORIGINAL PROPOSAL)

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Company Vehicle				Yes	\$0.36
2.2 FID, Org. Vapor Analy.	\$80.00	\$229.00	\$810.00	Yes	
2.3 LEL/Oxygen/H2S/CO	\$50.00	\$120.00	\$235.00	Yes	
2.4 PID, Org. vapor Mon.	\$60.00	\$160.00	\$480.00	Yes	
2.5 Camera, Digital	\$25.00	\$ 50.00	\$125.00	Yes	
2.6 Cell Phone s/service	\$ 6.00	\$ 30.00	\$120.00	Yes	
2.7 Auto level (laser)	\$10.00	\$ 50.00	\$137.50	Yes	
2.8 pH/Temp/Cond. Meter	\$20.00	\$ 55.00	\$182.00	Yes	
2.9 O/W Interface Probe	\$52.00	\$144.00	\$532.00	Yes	

Other equipment priced per Project Offer

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	3.0	% Maximum Increase
3.2	3rd Year Period	3.0	% Maximum Increase
3.3	4th Year Period	3.5	% Maximum Increase
3.4	5th Year Period	3.5	% Maximum Increase

3-4 Environmental Engineering Services**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$155 PER HOUR
1.2	Project Manager	\$120 PER HOUR
1.3	Project Engineer/Scientist	\$ 80 PER HOUR
1.4	Technician	\$ 60 PER HOUR
1.5	Clerical	\$ 40 PER HOUR
1.6	Laboratory Services	15 % OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORIGINAL PROPOSAL)

CAMP DRESSER & MCKEE INC. CDM , 4201 N 24TH STREET SUITE 205, PHOENIX, AZ 85016

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Company Vehicle				Yes	\$0.36
2.2 FID, Org. Vapor Analy.	\$80.00	\$229.00	\$810.00	Yes	
2.3 LEL/Oxygen/H2S/CO	\$50.00	\$120.00	\$235.00	Yes	
2.4 PID, Org. vapor Mon.	\$60.00	\$160.00	\$480.00	Yes	
2.5 Camera, Digital	\$25.00	\$ 50.00	\$125.00	Yes	
2.6 Cell Phone s/service	\$ 6.00	\$ 30.00	\$120.00	Yes	
2.7 Auto level (laser)	\$10.00	\$ 50.00	\$137.50	Yes	
2.8 pH/Temp/Cond. Meter	\$20.00	\$ 55.00	\$182.00	Yes	
2.9 O/W Interface Probe	\$52.00	\$144.00	\$532.00	Yes	

Other equipment priced per Project Offer

3.0 ESCALATION SCHEDULE

3.1 2nd Year Period	3.0	% Maximum Increase
3.2 3rd Year Period	3.0	% Maximum Increase
3.3 4th Year Period	3.5	% Maximum Increase
3.4 5th Year Period	3.5	% Maximum Increase

Terms: NET 45

Vendor Number: **W000005061 X**

Telephone Number: 602/956-4500

Fax Number: 602/956-4703

Contact Person: ~~Paul Karas/ Raymond Sadowski~~ **Marlene Mckenzie**

E-mail Address: karaspa@cdm.com mckenziemmm@cdm.com

Company Web Site: www.cdm.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

CIRCADIAN ENVIROCON, 835 W WARNER ROAD #101-443, GILBERT, AZ 85233

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ____ YES ☒ NO

ACCEPT PROCUREMENT CARD: ____ YES ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ____ YES ☒ NO ____ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ____ NO

3-3 Asbestos and Lead-Based Paint Assessment and Abatement

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$60.00	PER HOUR
1.2	Project Manager	\$45.50	PER HOUR
1.3	Project Engineer/Scientist	\$32.80	PER HOUR
1.4	Technician	\$23.50	PER HOUR
1.5	Clerical	\$14.50	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Negative Air Machine	20	100	350	YES	.30 cents
2.2 HEPA Vacuum	30	150	400	YES	.30 cents
2.3 PAPR Respirators	7	35	150	YES	No Charge
2.4 Generator	85	325	975	YES	.30 cents
2.5 Waste Dumpster	15	75	325	NO	.30 cents
2.6 Floor Buffer	38	150	440	YES	.30 cents
2.7 Shower Unit	10	50	200	YES	.30 cents
2.8 Water Filtration Unit	15	75	300	YES	.30 cents

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	0	% Maximum Increase
3.2	3rd Year Period	2	% Maximum Increase
3.3	4th Year Period	0	% Maximum Increase
3.4	5th Year Period	2	% Maximum Increase

CIRCADIAN ENVIROCON, 835 W WARNER ROAD #101-443, GILBERT, AZ 85233

Terms:	2% 10 DAYS NET 30
Vendor Number:	W000005192 X
Telephone Number:	602/579-8616 480/813-8616
Fax Number:	480/813-8617
Contact Person:	David Smith
E-mail Address:	circadian@cox.net
Certificates of Insurance	Required
Contract Period:	To cover the period ending NOVEMBER 30, 2008

EMC LABS INC, 9830 S 51ST ST SUITE B109, PHOENIX, AZ 85044**P089502 / B0603374 / NIGP CODE 91843**WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☒ YES ☐ NOREBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**3-8** Laboratory and Analytical Services**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$125.00	PER HOUR
1.2	Project Manager	\$ 50.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 50.00	PER HOUR
1.4	Technician	\$ 40.00	PER HOUR
1.5	Clerical	\$ 25.00	PER HOUR
1.6	Laboratory Services	10 % OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORIGINAL PROPOSAL)	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	2.0	% Maximum Increase
3.2	3rd Year Period	2.0	% Maximum Increase
3.3	4th Year Period	2.0	% Maximum Increase
3.4	5th Year Period	2.0	% Maximum Increase

Terms: NET 30

Vendor Number: **W000004845 X**

Telephone Number: 480/940-5294

Fax Number: 480/893-1726

Contact Person: Kurt Kettler

E-mail Address: kkettler@earthlink.net emclabs@emclabs.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

ENVIRONMENTAL ENGINEERING CONSULTANTS INC (EEC), 3003 N CENTRAL AVENUE STE #600, PHOENIX, AZ 85012-2905

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☐ YES ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☐ NO % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-1 Environmental Site Assessment and Investigation

3-2 Remediation

3-11 Environmental Assessment/Environmental Impact Statement

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$115.00	PER HOUR
1.2	Project Manager	\$ 90.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 75.00	PER HOUR
1.4	Technician	\$ 60.00	PER HOUR
1.5	Clerical	\$ 40.00	PER HOUR
1.6	Laboratory Services	10 % OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGINAL PROPOSAL)	

Terms: NET 30

Vendor Number: **W000002805 X**

Telephone Number: 602/248-7702

Fax Number: 602/248-7851

Contact Person: ~~Michael Murray~~ **Christy Sipos**

E-mail Address: ~~mmurray@eectue.com~~ csipos@eecphx.com

Company Web Site: www.eec-info.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

ENVIRONMENTAL RESPONSE INC, 2202 W MEDTRONIC WAY STE 108, TEMPE, AZ 85251
820 W FAIRMONT DR, TEMPE, AZ 85282-3313

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☒ YES ☐ NO 1 % REBATE
 (Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-7 Waste Disposal

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$ N/A	PER HOUR
1.2	Project Manager	\$ 65.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 65.00	PER HOUR
1.4	Technician	\$ 37.00	PER HOUR
1.5	Clerical	\$ 30.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 1-ton stakebed	\$65.00	\$260.00	\$780.00	YES	\$0.39
2.2 5-ton stakebed	\$120.00	\$480.00	\$1,440.00	YES	\$0.59
2.3 Roll-off bin truck	\$225.00	\$900.00	\$2,700.00	YES	\$4.59
2.4 Roll-off bin, 20 cy	\$7.00	\$42.00	\$155.00	YES	\$0.00
2.5 Dump truck, 7 cy	\$200.00	\$800.00	\$2,400.00	YES	\$3.59
2.6 Backhoe, CAT 416	\$280.00	\$1,120.00	\$3,360.00	YES	\$4.00
2.7 Excavator, CAT 320	\$520.00	\$2,080.00	\$6,240.00	YES	\$4.89
2.8 Loader, CAT 938	\$384.00	\$1,536.00	\$4,608.00	YES	\$4.25
2.9 Tractor + Lowboy	\$320.00	\$1,280.00	\$3,840.00	YES	\$4.00

*** Does not include Driver

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	3	% Maximum Increase
3.2	3rd Year Period	6	% Maximum Increase
3.3	4th Year Period	9	% Maximum Increase
3.4	5th Year Period	12	% Maximum Increase

*** Assumed not cumulative

ENVIRONMENTAL RESPONSE INC, 2202 W MEDTRONIC WAY STE 108, TEMPE, AZ 85251
820 W FAIRMONT DR, TEMPE, AZ 85282 3313

Terms:	NET 30
Vendor Number:	W000003984 X
Telephone Number:	480/967-2802
Fax Number:	480/967-2735
Contact Person:	Greg Laney
E-mail Address:	glaney@spraysystemseri.com
Company Web Site:	www.spraysystemseri.com
Certificates of Insurance	Required
Contract Period:	To cover the period ending NOVEMBER 30, 2008

ENVIRONOMICS, 7600 N 16TH ST, STE 110, PHOENIX, AZ 85383
SOUTHWEST LLC, 3221 N 16TH ST #106, PHOENIX, AZ 85016

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☐ YES ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
 (Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-3 Asbestos & Lead Based Paint Assessment

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$ 85.00	PER HOUR
1.2	Project Manager	\$ 75.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 65.00	PER HOUR
1.4	Technician	\$ 50.00	PER HOUR
1.5	Clerical	\$ 20.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Niton XRF	\$ 1.00/test, Minimum \$75.00/day			Yes	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	2	% Maximum Increase
3.2	3rd Year Period	2	% Maximum Increase
3.3	4th Year Period	2	% Maximum Increase
3.4	5th Year Period	2	% Maximum Increase

3-5 Industrial Hygiene/Indoor Air Quality Services

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$ 95.00	PER HOUR
1.2	Project Manager	\$ 75.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 65.00	PER HOUR
1.4	Technician	\$ 50.00	PER HOUR
1.5	Clerical	\$ 20.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Sound level meter		225	475	X	
2.2 Audio Dos/meters		750	1750	X	
2.3 Gieger counter	40	60	175	X	
2.4 Velometer	30	100	500	X	
2.5 Direct reading met	60	250	750	X	

ENVIRONOMICS, 7600 N 16TH ST, STE 110, PHOENIX, AZ 85383
SOUTHWEST LLC, 3221 N 16TH ST #106, PHOENIX, AZ 85016

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	2	% Maximum Increase
3.2	3rd Year Period	2	% Maximum Increase
3.3	4th Year Period	2	% Maximum Increase
3.4	5th Year Period	2	% Maximum Increase

Terms: NET 60

Vendor Number: **W000004478 X**

Telephone Number: 602/266-8288

Fax Number: 602/266-9355

Contact Person: ~~Andrew J. Oleott~~ **Russell Nassof**

E-mail Address: aoleott@environomics.biz rnassof@environomics.net

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

FM GROUP INC, 2944 N 44TH STREET SUITE #150, PHOENIX, AZ 85018

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☐ YES ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-3 Asbestos & Lead Based Paint Assessment

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$ 95.00	PER HOUR
1.2	Project Manager	\$ 85.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 75.00	PER HOUR
1.4	Technician	\$ 50.00	PER HOUR
1.5	Clerical	\$ 40.00	PER HOUR
1.6	Laboratory Services	10 % OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGIANL PROPOSAL)	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	2	% Maximum Increase
3.2	3rd Year Period	2	% Maximum Increase
3.3	4th Year Period	2	% Maximum Increase
3.4	5th Year Period	2	% Maximum Increase

Terms: NET 30

Vendor Number: **W000003418 X**

Telephone Number: 602/277-7877

Fax Number: 602/277-8288

Contact Person: ~~Michael Fries~~ **Shelley Chalmers**

E-mail Address: mtfries@fmgroup.net schalmers@fmgroup.net

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

FOUR CORNERS ENVIRONMENTAL INC, 10030 N 49TH LANE, GLENDALE, AZ 85302**P089502 / B0603374 / NIGP CODE 91843**WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☒ YES ☐ NOREBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☐ NO ☒ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**3-1 Environmental Site Assessment & Investigation****PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$ 105.00	PER HOUR
1.2	Project Manager	\$ 85.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 70.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 38.00	PER HOUR
1.6	Laboratory Services	5 % OFF for > \$500.00 CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGIANL PROPOSAL)	

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
Mileage					\$ 0.345
Per Diem	\$ 30.00	\$120.00	\$ 450.00		
Reproduction (black and white)					\$0.15 per page
Reproduction (color) (8-1/2 x 11)					\$ 1.00 per page
Reproduction (color) (11 x 17)					\$ 2.00 per page
Health and Safety Equipment					
H&S Level A (per person)	\$150.00	\$ 600.00	\$ 2,000.00		
H&S Level B (per person)	\$100.00	\$ 500.00	\$ 1,500.00		
H&S Level C (per person)	\$ 60.00	\$ 300.00	\$1,000.00		
H&S Level D (per person)	\$ 30.00	\$ 150.00	\$500.00		
H&S Safety Kit	\$ 30.00	\$ 150.00	\$500.00		
HNU PID	\$100.00	\$300.00	\$ 1,000.00		
Century 128 FID	\$120.00	\$360.00	\$ 1,540.00		
Explosimeter	\$ 50.00	\$200.00	\$ 800.00		
Air Sampler	\$ 25.00	\$ 100.00	\$ 350.00		
Radiation Detector	\$ 45.00	\$ 180.00	\$ 750.00		
Radon Meter	\$ 50.00	\$ 200.00	\$ 800.00		
Barrier Equipment (cost + 10%)					
Decontamination Kit	\$ 25.00	\$ 100.00	\$ 350.00		
Steam Cleaner	\$150.00	\$ 600.00	\$ 2,000.00		
Generator (3 KW)	\$ 55.00	\$ 225.00	\$ 900.00		
Shallow Soil Sampling Kit	\$ 80.00	\$350.00	\$1,300		
55-Gallon Drum					\$ 55.00 each
Hand Auger/Soil Sampler	\$ 40.00	\$160.00	\$ 750.00		
Brass Soil Sampling Liners					\$ 6.00 each
Stainless Steel Liners					\$ 10.00 each
GW - Bailer Unit	\$ 80.00	\$350.00	\$1,300		

FOUR CORNERS ENVIRONMENTAL INC, 10030 N 49TH LANE, GLENDALE, AZ 85302

GW - Pump Unit (5 gpm max)	\$ 65.00	\$ 260.00	\$ 1,100.00	
Conductivity/pH/Temp Meter	\$ 30.00	\$ 150.00	\$500.00	
Electric Water Level Indicator	\$ 35.00	\$ 75.00	\$ 300.00	
PVC Purging Bailer	\$ 10.00	\$ 40.00	\$ 150.00	
Teflon Sampling Bailer	\$ 10.00	\$ 40.00	\$ 150.00	
Polyethylene Disposable Bailer				\$ 10.00 each
Stainless Steel Bailer	\$ 5.00	\$ 20.00	\$ 75.00	
Peristaltic Pump 1.5" diam	\$ 35.00	\$ 85.00	\$ 350.00	
Peristaltic Pump 2.5" diam	\$ 35.00	\$ 85.00	\$ 350.00	
Compressed Gas, Regulator Hose	\$ 50.00	\$150.00	\$ 600.00	
Tripod, Winch, Harness Assembly	\$ 30.00	\$ 90.00	\$ 350.00	
Polypropylene Support Cord				\$ 0.75 per foot
Poly Sheeting (6 mil)				\$ 50.00 per roll
Survey Level and Rod	\$ 50.00	\$200.00	\$ 750.00	
Air Compressor (100-300 cfm)	\$150.00	\$ 600.00	\$ 2,250.00	
Soil Vapor Extraction Equip	\$500.00	\$ 2,000.00	\$ 9,000.00	
Metallic Line Locator	\$ 40.00	\$160.00	\$ 750.00	
Video Equipment	\$ 50.00	\$200.00	\$ 800.00	
Digital Camera	\$ 25.00	\$ 100.00	\$ 400.00	
GPS Unit	\$ 25.00	\$100.00	\$ 400.00	
Caution Tape				\$ 15.00 per roll
Personal Air Pump (Low Volume)	\$ 27.50	\$ 55.00	\$ 200.00	
High Volume Air Pumps	\$ 27.50	\$ 55.00	\$ 200.00	
HEPA Vac (small system)	\$ 20.00	\$75.00	\$ 150.00	
Asbestos/Fungal Surveys				
Medium Sampling Containers				\$ 8.00 each
Decontamination Kit	\$ 25.00	\$100.00	\$ 400.00	
Air Sampling Equipment	\$ 27.50	\$ 55.00	\$ 200.00	
PPE/Level C (per person)	\$ 60.00	\$ 250.00	\$ 1,000.00	
Asbestos Removal Observation				
Air Sampling Containers				\$ 8.00 each
H&S Kit	\$ 30.00	\$ 125.00	\$ 500.00	
Air Sampling Equipment	\$ 27.50	\$ 55.00	\$ 200.00	
PPE/Level C (per person)	\$ 60.00	\$ 300.00	\$ 1,000.00	
Asbestos Removal Activities				
Air Sampling Equipment	\$ 27.50	\$ 55.00	\$ 200.00	
Poly Sheeting (6 mil)				\$ 50.00 per roll
55-Gallon Drum				\$ 55.00 each
Tape/Wetting Agents/Sprayers	\$25-200	\$100-1,000	\$400-4,000	
HEPA Vac (small system)	\$ 20.00	\$ 75.00	\$ 300.00	
Other Equipment (cost + 10%)				

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	3	% Maximum Increase
3.2	3rd Year Period	3	% Maximum Increase
3.3	4th Year Period	3	% Maximum Increase
3.4	5th Year Period	3	% Maximum Increase

FOUR CORNERS ENVIRONMENTAL INC, 10030 N 49TH LANE, GLENDALE, AZ 85302**3-2 Remediation****PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$ 105.00	PER HOUR
1.2	Project Manager	\$ 85.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 70.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 38.00	PER HOUR
1.6	Laboratory Services	5 % OFF for > \$500.00 CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGIANL PROPOSAL)	

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
Mileage					\$ 0.345
Per Diem	\$ 30.00	\$120.00	\$ 450.00		
Reproduction (black and white)					\$0.15 per page
Reproduction (color) (8-1/2 x 11)					\$ 1.00 per page
Reproduction (color) (11 x 17)					\$ 2.00 per page
Health and Safety Equipment					
H&S Level A (per person)	\$150.00	\$ 600.00	\$ 2,000.00		
H&S Level B (per person)	\$100.00	\$ 500.00	\$ 1,500.00		
H&S Level C (per person)	\$ 60.00	\$ 300.00	\$1,000.00		
H&S Level D (per person)	\$ 30.00	\$ 150.00	\$500.00		
H&S Safety Kit	\$ 30.00	\$ 150.00	\$500.00		
HNU PID	\$100.00	\$300.00	\$ 1,000.00		
Century 128 FID	\$120.00	\$360.00	\$ 1,540.00		
Explosimeter	\$ 50.00	\$200.00	\$ 800.00		
Air Sampler	\$ 25.00	\$ 100.00	\$ 350.00		
Radiation Detector	\$ 45.00	\$ 180.00	\$ 750.00		
Radon Meter	\$ 50.00	\$ 200.00	\$ 800.00		
Barrier Equipment (cost + 10%)					
Decontamination Kit	\$ 25.00	\$ 100.00	\$ 350.00		
Steam Cleaner	\$150.00	\$ 600.00	\$ 2,000.00		
Generator (3 KW)	\$ 55.00	\$ 225.00	\$ 900.00		
Shallow Soil Sampling Kit	\$ 80.00	\$350.00	\$1,300		
55-Gallon Drum					\$ 55.00 each
Hand Auger/Soil Sampler	\$ 40.00	\$160.00	\$ 750.00		
Brass Soil Sampling Liners					\$ 6.00 each
Stainless Steel Liners					\$ 10.00 each
GW - Bailer Unit	\$ 80.00	\$350.00	\$1,300		
GW - Pump Unit (5 gpm max)	\$ 65.00	\$ 260.00	\$ 1,100.00		
Conductivity/pH/Temp Meter	\$ 30.00	\$ 150.00	\$500.00		
Electric Water Level Indicator	\$ 35.00	\$ 75.00	\$ 300.00		
PVC Purging Bailer	\$ 10.00	\$ 40.00	\$ 150.00		
Teflon Sampling Bailer	\$ 10.00	\$ 40.00	\$ 150.00		
Polyethylene Disposable Bailer					\$ 10.00 each
Stainless Steel Bailer	\$ 5.00	\$ 20.00	\$ 75.00		
Peristaltic Pump 1.5" diam	\$ 35.00	\$ 85.00	\$ 350.00		
Peristaltic Pump 2.5" diam	\$ 35.00	\$ 85.00	\$ 350.00		
Compressed Gas, Regulator Hose	\$ 50.00	\$150.00	\$ 600.00		
Tripod, Winch, Harness Assembly	\$ 30.00	\$ 90.00	\$ 350.00		
Polypropylene Support Cord					\$ 0.75 per foot

FOUR CORNERS ENVIRONMENTAL INC, 10030 N 49TH LANE, GLENDALE, AZ 85302

Poly Sheeting (6 mil)				\$ 50.00 per roll
Survey Level and Rod	\$ 50.00	\$200.00	\$ 750.00	
Air Compressor (100-300 cfm)	\$150.00	\$ 600.00	\$ 2,250.00	
Soil Vapor Extraction Equip	\$500.00	\$ 2,000.00	\$ 9,000.00	
Metallic Line Locator	\$ 40.00	\$160.00	\$ 750.00	
Video Equipment	\$ 50.00	\$200.00	\$ 800.00	
Digital Camera	\$ 25.00	\$ 100.00	\$ 400.00	
GPS Unit	\$ 25.00	\$100.00	\$ 400.00	
Caution Tape				\$ 15.00 per roll
Personal Air Pump (Low Volume)	\$ 27.50	\$ 55.00	\$ 200.00	
High Volume Air Pumps	\$ 27.50	\$ 55.00	\$ 200.00	
HEPA Vac (small system)	\$ 20.00	\$75.00	\$ 150.00	
Asbestos/Fungal Surveys				
Medium Sampling Containers				\$ 8.00 each
Decontamination Kit	\$ 25.00	\$100.00	\$ 400.00	
Air Sampling Equipment	\$ 27.50	\$ 55.00	\$ 200.00	
PPE/Level C (per person)	\$ 60.00	\$ 250.00	\$ 1,000.00	
Asbestos Removal Observation				
Air Sampling Containers				\$ 8.00 each
H&S Kit	\$ 30.00	\$ 125.00	\$ 500.00	
Air Sampling Equipment	\$ 27.50	\$ 55.00	\$ 200.00	
PPE/Level C (per person)	\$ 60.00	\$ 300.00	\$ 1,000.00	
Asbestos Removal Activities				
Air Sampling Equipment	\$ 27.50	\$ 55.00	\$ 200.00	
Poly Sheeting (6 mil)				\$ 50.00 per roll
55-Gallon Drum				\$ 55.00 each
Tape/Wetting Agents/Sprayers	\$25-200	\$100-1,000	\$400-4,000	
HEPA Vac (small system)	\$ 20.00	\$ 75.00	\$ 300.00	
Other Equipment (cost + 10%)				

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	3	% Maximum Increase
3.2	3rd Year Period	3	% Maximum Increase
3.3	4th Year Period	3	% Maximum Increase
3.4	5th Year Period	3	% Maximum Increase

3-4 Environmental Engineering, Management & Compliance Services

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$ 105.00	PER HOUR
1.2	Project Manager	\$ 85.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 70.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 38.00	PER HOUR
1.6	Laboratory Services	5 % OFF for > \$500.00 CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGIANL PROPOSAL)	

FOUR CORNERS ENVIRONMENTAL INC, 10030 N 49TH LANE, GLENDALE, AZ 85302**2.0 EQUIPMENT PRICING SCHEDULE**

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
Mileage					\$ 0.345
Per Diem	\$ 30.00	\$120.00	\$ 450.00		
Reproduction (black and white)					\$0.15 per page
Reproduction (color) (8-1/2 x 11)					\$ 1.00 per page
Reproduction (color) (11 x 17)					\$ 2.00 per page
Health and Safety Equipment					
H&S Level A (per person)	\$150.00	\$ 600.00	\$ 2,000.00		
H&S Level B (per person)	\$100.00	\$ 500.00	\$ 1,500.00		
H&S Level C (per person)	\$ 60.00	\$ 300.00	\$1,000.00		
H&S Level D (per person)	\$ 30.00	\$ 150.00	\$500.00		
H&S Safety Kit	\$ 30.00	\$ 150.00	\$500.00		
HNU PID	\$100.00	\$300.00	\$ 1,000.00		
Century 128 FID	\$120.00	\$360.00	\$ 1,540.00		
Explosimeter	\$ 50.00	\$200.00	\$ 800.00		
Air Sampler	\$ 25.00	\$ 100.00	\$ 350.00		
Radiation Detector	\$ 45.00	\$ 180.00	\$ 750.00		
Radon Meter	\$ 50.00	\$ 200.00	\$ 800.00		
Barrier Equipment (cost + 10%)					
Video Equipment	\$ 50.00	\$200.00	\$ 800.00		
Digital Camera	\$ 25.00	\$100.00	\$ 400.00		
GPS Unit	\$ 25.00	\$100.00	\$ 400.00		
Caution Tape					\$ 15.00 per roll
Personal Air Pump (Low Volume)	\$ 27.50	\$ 55.00	\$ 200.00		
High Volume Air Pumps	\$ 27.50	\$ 55.00	\$ 200.00		
HEPA Vac (small system)	\$ 20.00	\$ 75.00	\$ 150.00		
Other Equipment (cost + 10%)					

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	3	% Maximum Increase
3.2	3rd Year Period	3	% Maximum Increase
3.3	4th Year Period	3	% Maximum Increase
3.4	5th Year Period	3	% Maximum Increase

3-11 Environmental Assessments/Environmental Impact Statements**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$ 105.00	PER HOUR
1.2	Project Manager	\$ 85.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 70.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 38.00	PER HOUR
1.6	Laboratory Services	5 % OFF for > \$500.00 CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGIANL PROPOSAL)	

FOUR CORNERS ENVIRONMENTAL INC, 10030 N 49TH LANE, GLENDALE, AZ 85302**2.0 EQUIPMENT PRICING SCHEDULE**

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
Mileage					\$ 0.345
Per Diem	\$ 30.00	\$120.00	\$ 450.00		
Reproduction (black and white)					\$0.15 per page
Reproduction (color) (8-1/2 x 11)					\$ 1.00 per page
Reproduction (color) (11 x 17)					\$ 2.00 per page
Video Equipment	\$50.00	\$200.00	\$800.00		
Digital Camera	\$25.00	\$100.00	\$400.00		
GPS Unit	\$25.00	\$100.00	\$400.00		
Other Equipment (cost + 10%)					

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	3	% Maximum Increase
3.2	3rd Year Period	3	% Maximum Increase
3.3	4th Year Period	3	% Maximum Increase
3.4	5th Year Period	3	% Maximum Increase

Terms: NET 30

Vendor Number: **W000001273 X**

Telephone Number: 623/931-2211

Fax Number: 623/931-2202

Contact Person: **Richard J. Brose Trinka Hall**

E-mail Address: rjbrose@fourcornersenv.com gdozer@fourcornersenv.com

Company Web Site: www.fourcornersenv.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

4801 E WASHINGTON STREET STE. 260, PHOENIX, AZ 85034
GEOTRANS INC, 4665 S ASH AVENUE SUITE #G-1, TEMPE, AZ 85282

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-1 Environmental Site Assessment and Investigation

<u>PERSONNEL CLASSIFICATION</u>	<u>Range</u>	<u>HOURLY RATE</u>
1.1 Technical Director	\$140-\$152	\$140.00 PER HOUR
1.2 Project Manager	\$ 90-\$120	\$ 96.00 PER HOUR
1.3 Project Engineer/Scientist	\$ 55-\$ 90	\$ 65.00 PER HOUR
1.4 Technician	\$ 40-\$ 65	\$ 65.00 PER HOUR
1.5 Clerical	\$ 30-\$ 55	\$ 51.00 PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vehicle	50	200	600	Yes	\$0.50
2.2 Generator (3.6KW)	45	135	405	No	N/A
2.3 PID	75	225	675	No	N/A
2.4 2" of 3" Submersible Pump	90	230	690	No	N/A
2.5 Control Box for Pumps	150			No	N/A
2.6 Interface Probe (200 Ft)	60	180	540	No	N/A
2.7 Water Level Indicator (200 Ft)	25	50	150	No	N/A
2.8 Ph/EC/Temp. Meter	25	100	300	No	N/A
2.9 Dissolved Oxygen Meter	45	100	300	No	N/A

3-2 Remediation

<u>PERSONNEL CLASSIFICATION</u>	<u>Range</u>	<u>HOURLY RATE</u>
1.1 Technical Director	\$140-\$152	\$140.00 PER HOUR
1.2 Project Manager	\$ 90-\$120	\$ 96.00 PER HOUR
1.3 Project Engineer/Scientist	\$ 55-\$ 90	\$ 65.00 PER HOUR
1.4 Technician	\$ 40-\$ 65	\$ 65.00 PER HOUR
1.5 Clerical	\$ 30-\$ 55	\$ 51.00 PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vehicle	50	200	600	Yes	\$0.50
2.2 Generator (3.6KW)	45	135	405	No	N/A
2.3 PID	75	225	675	No	N/A
2.4 2" of 3" Submersible Pump	90	230	690	No	N/A
2.5 Control Box for Pumps	150			No	N/A
2.6 Interface Probe (200 Ft)	60	180	540	No	N/A

4801 E WASHINGTON STREET STE. 260, PHOENIX, AZ 85034

GEOTRANS INC., 4665 S ASH AVENUE SUITE #G 1, TEMPE, AZ 85282

2.7	Water Level Indicator (200 Ft)	25	50	150	No	N/A
2.8	Ph/EC/Temp. Meter	25	100	300	No	N/A
2.9	Dissolved Oxygen Meter	45	100	300	No	N/A

3-4 Environmental Engineering Services

<u>PERSONNEL CLASSIFICATION</u>		<u>Range</u>	<u>HOURLY RATE</u>	
1.1	Technical Director	\$140-\$152	\$140.00	PER HOUR
1.2	Project Manager	\$ 90-\$120	\$ 96.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 55-\$ 90	\$ 65.00	PER HOUR
1.4	Technician	\$ 40-\$ 65	\$ 65.00	PER HOUR
1.5	Clerical	\$ 30-\$ 55	\$ 51.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OWNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vehicle	50	200	600	Yes	\$0.50
2.2 Generator (3.6KW)	45	135	405	No	N/A
2.3 PID	75	225	675	No	N/A
2.4 2" of 3" Submersible Pump	90	230	690	No	N/A
2.5 Control Box for Pumps	150			No	N/A
2.6 Interface Probe (200 Ft)	60	180	540	No	N/A
2.7 Water Level Indicator (200 Ft)	25	50	150	No	N/A
2.8 Ph/EC/Temp. Meter	25	100	300	No	N/A
2.9 Dissolved Oxygen Meter	45	100	300	No	N/A

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	3	% Maximum Increase
3.2	3rd Year Period	3	% Maximum Increase
3.3	4th Year Period	3	% Maximum Increase
3.4	5th Year Period	3	% Maximum Increase

Terms: NET 30

Vendor Number: **W00000614 X**

Telephone Number: 480/839-2800

Fax Number: 480/839-2828

Contact Person: Jasenka Zbozinek

E-mail Address: jzbozinek@geotransinc.com

Company Web Site: www.geotransinc.com

Certificates of Insurance	Required
---------------------------	----------

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

GEOMECHANICS SOUTHWEST INC., 1212 S 9TH ST, PHOENIX, AZ 85034

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-9 Drilling Services

1.1. Pricing to be based upon individual project specifications and scope of work

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	4	% Maximum Increase
3.2	3rd Year Period	4	% Maximum Increase
3.3	4th Year Period	4	% Maximum Increase
3.4	5th Year Period	4	% Maximum Increase

Terms: NET 30

Vendor Number: **W000003455 X**

Telephone Number: 602/252-0559

Fax Number: 602/252-0721

Contact Person: ~~Greg Jones~~ **Sondra Monroe**

E-mail Address: gsiphx@msn.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

3200 E. CAMELBACK RD., SUITE 350, PHOENIX, AZ 85018-2311
HDR ENGINEERING INC., 2141 E HIGHLAND AVE SUITE #250, PHOENIX, AZ 85016

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☐ YES ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-4 Stormwater, Wastewater, Water Engineering and Design

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director (Level VI)	\$155.00	PER HOUR
1.2	Project Manager (Level V&IV)	\$130.00	PER HOUR
1.3	Project Engineer/Scientist (Level III)	\$115.00	PER HOUR
1.4	Technician(Level II)	\$100.00	PER HOUR
1.5	Clerical	\$ 70.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Field Vehicle	\$ 75.00			Own	\$0.36
2.2 Digital Camera	\$ 25.00			Own	
2.3 GPS	\$ 25.00			Own	
2.4 Computer	\$ 20.00/HR				
2.5 Noise Meter/Comp. Model	\$ 75.00				
2.6 Air Monitor	\$250.00				
2.7 Power Point Projection Equipment	\$100.00				

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	10	% Maximum Increase
3.2	3rd Year Period	10	% Maximum Increase
3.3	4th Year Period	10	% Maximum Increase
3.4	5th Year Period	10	% Maximum Increase

3-11 Environmental Assessment/Environmental Impact Statement

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director (Level VI)	\$140.00	PER HOUR
1.2	Project Manager (Level V & IV)	\$110.00	PER HOUR
1.3	Project Engineer/Scientist(Level III)	\$ 85.00	PER HOUR
1.4	Technician(Level II)	\$ 75.00	PER HOUR
1.5	Clerical	\$ 70.00	PER HOUR

3200 E. CAMELBACK RD., SUITE 350, PHOENIX, AZ 85018-2311

HDR ENGINEERING INC., 2141 E HIGHLAND AVE SUITE #250, PHOENIX, AZ 85016

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Field Vehicle	\$ 75.00			Own	\$0.36
2.2 Digital Camera	\$ 25.00			Own	
2.3 GPS	\$ 25.00			Own	
2.4 Computer	\$ 20.00/HR				
2.5 Noise Meter/Comp. Model	\$ 75.00				
2.6 Air Monitor	\$250.00				
2.7 Power Point Projection Equipment	\$100.00				

3.0 ESCALATION SCHEDULE

3.1 2nd Year Period	10	% Maximum Increase
3.2 3rd Year Period	10	% Maximum Increase
3.3 4th Year Period	10	% Maximum Increase
3.4 5th Year Period	10	% Maximum Increase

Terms: NET 30

Vendor Number: **W000002959 X**

Telephone Number: ~~602/508-6600~~ **602/522-7700**

Fax Number: ~~602/508-6606~~ **602/522-7707**

Contact Person: ~~Jane Ryckman-Siegwarth~~ **Vicki Beaubien**

Company Web Site: www.hdrinc.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

HYDRO GEO CHEM INC, 6340 E THOMAS ROAD SUITE 224, SCOTTSDALE, AZ 85251
, 51 W WETMORE ROAD SUITE #101, TUCSON, AZ 85705

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☐ YES ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☒ YES ☐ NO ☐ % REBATE
 (Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-1 Environmental Site Assessment and Investigations

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$120.00	PER HOUR
1.2	Project Manager	\$ 95.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 85.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Field Trucks	70	280	840	Yes	0.365
2.2 Generator (5K)	55	220	660	Yes	N/A
2.3 Interface Probe	50	200	600	Yes	N/A
2.4 Photoionization Detector	100	400	1200	Yes	N/A
2.5 Flame Ionization Detector	100	400	1200	Yes	N/A
2.6 Combustible Gas Indicator	125	500	1500	Yes	N/A
2.7 Water Level Indicator	25	100	300	Yes	N/A
2.8 Redi Flow Pump	125	500	1500	Yes	N/A
2.9 PH/EC/Temperature	25	100	300	Yes	N/A

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	3	% Maximum Increase
3.2	3rd Year Period	6	% Maximum Increase
3.3	4th Year Period	9	% Maximum Increase
3.4	5th Year Period	13	% Maximum Increase

3-2 Remediation

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$120.00	PER HOUR
1.2	Project Manager	\$ 95.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 85.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR

HYDRO GEO CHEM INC, 6340 E THOMAS ROAD SUITE 224, SCOTTSDALE, AZ 85251
, 51 W WETMORE ROAD SUITE #101, TUCSON, AZ 85705

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Field Trucks	70	280	840	Yes	0.365
2.2 Generator (5K)	55	220	660	Yes	N/A
2.3 Interface Probe	50	200	600	Yes	N/A
2.4 Photoionization Detector	100	400	1200	Yes	N/A
2.5 Flame Ionization Detector	100	400	1200	Yes	N/A
2.6 Combustible Gas Indicator	125	500	1500	Yes	N/A
2.7 Water Level Indicator	25	100	300	Yes	N/A
2.8 Redi Flow Pump	125	500	1500	Yes	N/A
2.9 PH/EC/Temperature	25	100	300	Yes	N/A

3.0 ESCALATION SCHEDULE

3.1 2nd Year Period	3	% Maximum Increase
3.2 3rd Year Period	6	% Maximum Increase
3.3 4th Year Period	9	% Maximum Increase
3.4 5th Year Period	13	% Maximum Increase

Terms: NET 30

Vendor Number: **W000004522 X**

Telephone Number: **480/421-1501**

Fax Number: **480/425-8794**

Contact Person: **Rich Petrus**

E-mail Address: richp@hgcinc.com

Company Web Site: www.hgcinc.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008.**

HYGIENETICS ENVIRONMENTAL 17649 N 41ST ST., PHOENIX, AZ 85032

HYGIENETICS ENVIRONMENTAL SERVICES INC, 1797 W UNIVERSITY DRIVE #171, TEMPE, AZ 85281

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☐ YES ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-3 Asbestos and Lead-Based Paint Assessment

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$ 96.66	95.00	PER HOUR
1.2	Project Manager	\$ 81.40	80.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 71.22	70.00	PER HOUR
1.4	Technician	\$ 50.88	50.00	PER HOUR
1.5	Clerical	\$ 30.53	30.00	PER HOUR
1.6	Laboratory Services	10% (See Attached letter DTD 3/14/05) OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORIGINAL PROPOSAL)		

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OWNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 X-RAY Fluorescence Analyzer	\$ 101.75 \$100.00	\$ 457.88 \$450.00	\$ 1628.00 \$1,600.00	Yes Owned	N/A

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	1.75	% Maximum Increase
3.2	3rd Year Period	1.75	% Maximum Increase
3.3	4th Year Period	1.75	% Maximum Increase
3.4	5th Year Period	1.75	% Maximum Increase

3-5 Industrial Hygiene/Indoor Air Quality Services

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$ 96.66	95.00	PER HOUR
1.2	Project Manager	\$ 81.40	80.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 71.22	70.00	PER HOUR
1.4	Technician	\$ 50.88	50.00	PER HOUR
1.5	Clerical	\$ 30.53	30.00	PER HOUR
1.6	Laboratory Services	10% (See Attached letter DTD 3/14/05) OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORIGINAL PROPOSAL)		

HYGIENETICS ENVIRONMENTAL 17649 N 41ST ST., PHOENIX, AZ 85032**HYGIENETICS ENVIRONMENTAL SERVICES INC, 1797 W UNIVERSITY DRIVE #171, TEMPE, AZ 85281****2.0 EQUIPMENT PRICING SCHEDULE**

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OWNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 IAQ Meter with Temperature, Relative Humidity, CO, and CO2	\$320.50 \$315.00	\$488.40 \$480.00	\$1,425.50 \$1,400.00	Yes Leased	N/A
2.2 Mold Air Sampler (Anderson)	\$117.00 \$115.00	\$427.35 \$420.00	\$1,221.00 \$1,200.00	Yes Owned	N/A
2.3 Toxic RAE Photo Ionization Detector	\$106.84 \$105.00	\$178.06 \$175.00	\$712.25 \$700.00	No	N/A
2.4 Single Gas Monitors	\$106.84 \$105.00	\$178.06 \$175.00	\$712.25 \$700.00	No	N/A

3.0 ESCALATION SCHEDULE

3.1 2nd Year Period	1.75	% Maximum Increase
3.2 3rd Year Period	1.75	% Maximum Increase
3.3 4th Year Period	1.75	% Maximum Increase
3.4 5th Year Period	1.75	% Maximum Increase

3-8 Laboratory and Analytical Services**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.6 Laboratory Services	10% (See Attached letter DTD 3/14/05) OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORIGINAL PROPOSAL)
-------------------------	---

3.0 ESCALATION SCHEDULE

3.1 2nd Year Period	1.75	% Maximum Increase
3.2 3rd Year Period	1.75	% Maximum Increase
3.3 4th Year Period	1.75	% Maximum Increase
3.4 5th Year Period	1.75	% Maximum Increase

Terms: NET 30

Vendor Number: **W000005294 X**Telephone Number: ~~480/858-0500~~ **602/571-2860**Fax Number: ~~480/858-0505~~ **602/466-1307**Contact Person: ~~Kim Chambers Bergsten~~ **Elizabeth Johnson**E-mail Address: kim.Bergsten@hygienetics.com liz.Johnson@hygienetics.comCompany Web Site: www.hygienetics.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

IHI ENVIRONMENTAL, 4527 N 16TH STREET SUITE #105, PHOENIX, AZ 85016

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-3 Asbestos and Lead-Based Paint Assessment

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$ 70.00	PER HOUR
1.2	Project Manager	\$ 60.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 60.00	PER HOUR
1.4	Technician	\$ 50.00	PER HOUR
1.5	Clerical	\$ 30.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Sampling Pump - High Volume		\$10	\$40	\$160	YES \$0.37
2.2 Sampling Pump - Low Volume		\$15	\$50	\$200	YES
2.3 Asbestos Field Sampling Kit \$10		\$40	\$160	YES	
2.4 PCM-TEM Cassettes \$2/ea.					
2.5 RMD-XRF Spectral Analyzer \$150		\$450	\$1,000	YES	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	3	% Maximum Increase
3.2	3rd Year Period	3	% Maximum Increase
3.3	4th Year Period	3	% Maximum Increase
3.4	5th Year Period	3	% Maximum Increase

3-5 Industrial Hygiene/Indoor Air Quality Services

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$ 80.00	PER HOUR
1.2	Project Manager	\$ 70.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 60.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 30.00	PER HOUR

IHI ENVIRONMENTAL, 4527 N 16TH STREET SUITE #105, PHOENIX, AZ 85016**2.0 EQUIPMENT PRICING SCHEDULE**

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Sampling Pump – High or Low Volume	\$15	\$50	\$200	YES	\$0.37
2.2 Velometer	\$40	\$150	\$450	YES	
2.3 MSA - Q Trak Monitors (CO2, CO, RH)	\$40	\$150	\$450	YES	
2.4 Anderson N6 Microbial Sampler	\$40	\$150	\$450	YES	
2.5 Flow Hood Belometer	\$40	\$150	\$450	YES	
2.6 Noise Dosimeter	\$40	\$150	\$450	YES	
2.7 Spore Trap Cassettes	\$8/ea.				
2.8 Agar Plates	\$2/ea.				

3.0 ESCALATION SCHEDULE

3.1 2nd Year Period	3	% Maximum Increase
3.2 3rd Year Period	3	% Maximum Increase
3.3 4th Year Period	3	% Maximum Increase
3.4 5th Year Period	3	% Maximum Increase

Terms: NET 30

Vendor Number: **W000002280 X**

Telephone Number: 602/776-0300

Fax Number: 602/776-0301

Contact Person: ~~Donald E. Marano~~ **Joe Palermo**

E-mail Address: ~~marano@ihi-env.com~~ steiner@ihi-env.com

Company Web Site: www.ihi-env.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

INTERNATIONAL ENVIRONMENTAL 2231 S 48TH ST, STE 104, TEMPE, AZ 85282

INTERNATIONAL ENVIRONMENTAL CORPORATION, 4030 E BROADWAY ROAD #802, PHOENIX, AZ 85040

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ____ YES ____ NO

ACCEPT PROCUREMENT CARD: ☒ YES ____ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☒ YES ____ NO 2 % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ____ NO

3-3 Asbestos and Lead-Based Paint Assessment

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$ 65.00	PER HOUR
1.2	Project Manager	\$ 50.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 40.00	PER HOUR
1.4	Technician	\$ 35.00	PER HOUR
1.5	Clerical	\$ 15.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Guzzler/truck vac	\$600.00	\$2,400.00	\$7,500.00	own	\$ 1.00
2.2 Neg-air machine	\$ 18.00	\$ 75.00	\$ 250.00	own	
2.3 Hepa vacuum	\$ 10.00	\$ 40.00	\$ 150.00	own	
2.4 Portable generator	\$35.00	\$ 150.00	\$ 450.00	own	
2.5 Back pack heap vacuum	\$ 5.00	\$ 20.00	\$ 70.00	own	
2.6 Wagner power sprayer	\$ 20.00	\$ 80.00	\$ 280.00	own	
2.7 Water filtration unit	\$ 5.00	\$ 20.00	\$ 60.00	own	
2.8 Personel air pumps	\$ 25.00	\$ 100.00	\$ 300.00	own	
2.9 High-volume air pumps	\$ 25.00	\$ 100.00	\$ 300.00	own	
2.10 4x6 scaffold	\$ 20.00	\$ 80.00	\$ 250.00	own	
2.11 Portable decon	\$ 50.00	\$ 200.00	\$ 700.00	own	
2.12 Small tools	\$ 40.00	\$ 160.00	\$ 500.00	own	
2.13 Floor buffer	\$ 30.00	\$ 120.00	\$ 400.00	own	
2.14 Material grinder	\$ 20.00	\$ 100.00	\$ 400.00	own	
2.15 PAPR	\$ 10.00	\$ 40.00	\$ 120.00	own	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	0	% Maximum Increase
3.2	3rd Year Period	2	% Maximum Increase
3.3	4th Year Period	2	% Maximum Increase
3.4	5th Year Period	2	% Maximum Increase

INTERNATIONAL ENVIRONMENTAL 2231 S 48TH ST, STE 104, TEMPE, AZ 85282

INTERNATIONAL ENVIRONMENTAL CORPORATION, 4030 E BROADWAY ROAD #802, PHOENIX, AZ 85040

Terms: 2% 10DAYS NET 30

Vendor Number: **W000003746 X**

Telephone Number: 602/241-6600

Fax Number: 602/454-7600

Contact Person: John Kealy

E-mail Address: iecaz@aol.com

Company Web Site: www.iecweb.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

KARY ENVIRONMENTAL SERVICES, 536 S DREW STREET, MESA, AZ 85210**P089502 / B0603374 / NIGP CODE 91843**WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☒ YES ☐ NOREBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☒ YES ☐ NO ☐ 1 % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**3-6** Environmental Training**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director (Senior) (Level VI)	\$ 115.00	PER HOUR
1.2	Project Manager(Level IV) (CIH/P.E.)	\$ 95.00	PER HOUR
1.3	Senior Professional (Level III)	\$ 95.00	PER HOUR
1.4	Technician (.I.H. TECH.)	\$ 55.00	PER HOUR
1.5	Clerical	\$ 32.50	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>COURSE NAME</u>	<u>PER PERSON</u>
2.1 40 HOUR HAZMAT (HAZWOPER)	\$ 495.00 (40 Hour)
2.2 8-HOUR REFRESHER	\$ 95.00 (8 hour)
2.3 8-HOUR CONFINED SPACE	\$ 95.00 (8 hour)
2.4 AHERA - BUILDING INSPECTOR	\$ 550.00 (24 Hour)
2.5 AHERA - CONTRACTORS SUPERVISOR	\$ 925.00 (40 Hour)
2.6 AHERA - ASBESTOS WORKER	\$ 615.00 (32 Hour)
2.7 DOT Refresher	\$ 95.00 (8 Hour)

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	3	% Maximum Increase
3.2	3rd Year Period	3	% Maximum Increase
3.3	4th Year Period	3	% Maximum Increase
3.4	5th Year Period	3	% Maximum Increase

Terms: 2% 10 DAYS NET 30

Vendor Number: **W000003317 X**

Telephone Number: 480/945-0009

Fax Number: 480/945-8599

Contact Person: ~~Jeff Kary~~ **Terri Kary**E-mail Address: jerryk@kesine.net sales@karyenvironmental.comCompany Web Site: www.karyenvironmental.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

KLEINFELDER INC, 1335 W AUTO DRIVE, TEMPE, AZ 85284

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☒ YES ☐ NO 1 % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-1 Site Assessment
3-2 Remediation
3-4 Environmental Engineering Services

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$112.50	PER HOUR
1.2	Project Manager	\$ 99.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 85.00	PER HOUR
1.4	Technician	\$ 45.00	PER HOUR
1.5	Clerical	\$ 42.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

Equipment Name	Day	Week	Month	Leased	Mile (to/from site)
Acoustic Water Level Indicator	\$100.00	\$320.00	\$768.00	OWNED	N/A
Air Compressor (3-10 cfm)	\$95.00	\$304.00	\$729.00	OWNED	N/A
Analog Thermometer	\$12.00	\$38.00	\$91.00	OWNED	N/A
Bailers (Stainless Steel)	\$35.00	\$112.00	\$268.00	OWNED	N/A
Hand-Held Low Flow	\$47.00	\$150.00	\$360.00	OWNED	N/A
High Flow w/Suspension System & Winch	\$80.00	\$256.00	\$614.00	OWNED	N/A
Brunton Transit	\$12.00	\$38.00	\$91.00	OWNED	N/A
Centrifugal Water Pump	\$65.00	\$208.00	\$499.00	OWNED	N/A
Conductivity, pH and Temperature Monitor	\$40.00	\$128.00	\$307.00	OWNED	N/A
Conductivity-Based Water Level Indicator	\$45.00	\$144.00	\$345.00	OWNED	N/A
Current Meter/Flow Measurement Equipment	\$80.00	\$256.00	\$614.00	OWNED	N/A
Diaphragm Surface Pump	\$70.00	\$224.00	\$537.00	OWNED	N/A
Digital Thermometer	\$10.00	\$32.00	\$76.00	OWNED	N/A
Groundwater Sampling Truck/Trailer	\$400.00	\$1,280.00	\$3,072.00	OWNED	N/A
Hand Auger and Soil Sampler	\$50.00	\$160.00	\$384.00	OWNED	N/A
Hermit Hydrologic Monitor	\$450.00	\$1,440.00	\$3,456.00	OWNED	N/A
Interface Probe (oil/water)	\$50.00	\$160.00	\$384.00	OWNED	N/A
Isco Composite Water Sampler Unit	\$150.00	\$480.00	\$1,152.00	OWNED	N/A
Isco Flow Recorder	\$105.00	\$336.00	\$806.00	OWNED	N/A

KLEINFELDER INC, 1335 W AUTO DRIVE, TEMPE, AZ 85284

Level or Transit and Rod	\$80.00	\$256.00	\$614.00	OWNED	N/A
Line/Cable Locator	\$90.00	\$288.00	\$691.00	OWNED	N/A
Measuring Wheel	\$12.00	\$38.00	\$91.00	OWNED	N/A
Metal Detector	\$12.00	\$38.00	\$91.00	OWNED	N/A
Peristaltic Pump	\$68.00	\$217.00	\$520.00	OWNED	N/A
pH Meter	\$20.00	\$64.00	\$153.00	OWNED	N/A
Portable Generator (<1.5 kW)	\$35.00	\$112.00	\$268.00	OWNED	N/A
Portable Generator (1.5 to 4 kW)	\$80.00	\$256.00	\$614.00	OWNED	N/A
Power Inverter	\$17.00	\$54.00	\$129.00	OWNED	N/A
Pump Bladders	\$60.00	\$192.00	\$460.00	OWNED	N/A
Range Finder	\$12.00	\$38.00	\$91.00	OWNED	N/A
Steam Cleaner (0.5 to 2 gpm)	\$100.00	\$320.00	\$768.00	OWNED	N/A
Stevens Water Level Recorder	\$45.00	\$144.00	\$345.00	OWNED	N/A
500Gallon Storage Tank	\$10.00	\$32.00	\$76.00	OWNED	N/A
2,000Gallon Storage Tank	\$12.00	\$38.00	\$91.00	OWNED	N/A
Suspended Sediment Sampler: DH48 Hand-Held Low Flow	\$50.00	\$160.00	\$384.00	OWNED	N/A
Suspended Sediment Sampler: D49, D74 High-Flow w/Suspension System & Winch	\$80.00	\$256.00	\$614.00	OWNED	N/A
Syringe Sampler	\$140.00	\$448.00	\$1,075.00	OWNED	N/A
2-Inch Submersible Pump	\$75.00	\$240.00	\$576.00	OWNED	N/A
Transducer and SE1000Recorder	\$200.00	\$640.00	\$1,536.00	OWNED	N/A
Variable Voltage Supply	\$22.00	\$70.00	\$168.00	OWNED	N/A
Video Camera	\$60.00	\$192.00	\$460.00	OWNED	N/A
Walkie Talkie Set	\$20.00	\$64.00	\$153.00	OWNED	N/A
Well Development Tool	\$50.00	\$160.00	\$384.00	OWNED	N/A
Absolute Pressure Transducer	\$22.00	\$70.00	\$168.00	OWNED	N/A
Bacharach O2 Combustible Analyzer	\$32.00	\$102.00	\$244.00	OWNED	N/A
Barhole Punch	\$17.00	\$54.00	\$129.00	OWNED	N/A
Barometer	\$12.00	\$38.00	\$91.00	OWNED	N/A
Combustible Gas Analyzer	\$52.00	\$166.00	\$398.00	OWNED	N/A
Differential Pressure Transducer	\$22.00	\$70.00	\$168.00	OWNED	N/A
Draeger Quantimeter	\$105.00	\$336.00	\$806.00	OWNED	N/A
Dual Ambient Air Sampler	\$58.00	\$185.00	\$444.00	OWNED	N/A
Fyrite CO2 or O2 Indicator	\$12.00	\$38.00	\$91.00	OWNED	N/A
Gas Detector	\$52.00	\$166.00	\$398.00	OWNED	N/A
Integrated Surface Sampler	\$32.00	\$102.00	\$244.00	OWNED	N/A
Irrrometer	\$7.00	\$22.00	\$52.00	OWNED	N/A
Kurz Velocity Meter	\$22.00	\$70.00	\$168.00	OWNED	N/A
Magnehelic Gauge	\$12.00	\$38.00	\$91.00	OWNED	N/A
Moisture Meter	\$12.00	\$38.00	\$91.00	OWNED	N/A
Nalgene Hand Pump	\$17.00	\$54.00	\$129.00	OWNED	N/A

KLEINFELDER INC, 1335 W AUTO DRIVE, TEMPE, AZ 85284

O2 Analyzer	\$60.00	\$192.00	\$460.00	OWNED	N/A
Organic Vapor Analyzer or Photo-Ionization Detector	\$150.00	\$480.00	\$1,152.00	OWNED	N/A
Organic Vapor Analyzer with Strip Chart Recorder	\$185.00	\$592.00	\$1,420.00	OWNED	N/A
Orifice Plate	\$22.00	\$70.00	\$168.00	OWNED	N/A
Pitot Tubes	\$12.00	\$38.00	\$91.00	OWNED	N/A
Portable Brailsford Pump or Equivalent	\$28.00	\$89.00	\$213.00	OWNED	N/A
Slack Tube Manometer	\$7.00	\$22.00	\$52.00	OWNED	N/A
Sound Level Meter	\$42.00	\$134.00	\$321.00	OWNED	N/A
Strip Chart Recorder (dual pen)	\$17.00	\$54.00	\$129.00	OWNED	N/A
Strip Chart Recorder (single pen)	\$17.00	\$54.00	\$129.00	OWNED	N/A
Tedlar Air Sample Bag	\$30.00	\$96.00	\$230.00	OWNED	N/A
Soil & GW Remediation Equipment Trailer	\$600.00	\$1,000.00	\$2,500.00	OWNED	N/A
500to 1000CFM Catalytic Oxidizer	\$1,000.00	\$2,000.00	\$5,500.00	OWNED	N/A
Voltmeter	\$7.00	\$22.00	\$52.00	OWNED	N/A
Wind Speed and Direction Indicator (one system each)	\$350.00	\$1,120.00	\$2,688.00	OWNED	N/A
Personnel Air Sampling Pump	\$78.00	\$249.00	\$597.00	OWNED	N/A
Borehole Ventilation System	\$170.00	\$544.00	\$1,305.00	OWNED	N/A
Level B Protection*	\$200.00	\$640.00	\$1,536.00	OWNED	N/A
Level C Protection*	\$100.00	\$320.00	\$768.00	OWNED	N/A
Level D Protection*	\$25.00	\$80.00	\$192.00	OWNED	N/A
Limited Level D Protection*	<i>No Charge</i>			OWNED	N/A
Seismograph, Twelve Channel Nimbus Model ES121OF	\$420.00	\$1,344.00	\$3,225.00	OWNED	N/A
Resistivity Meter, Bison Model #2390	\$140.00	\$448.00	\$1,075.00	OWNED	N/A
Magnetometer, Portable Proton-Geometrics Model 6816	\$160.00	\$512.00	\$1,228.00	OWNED	N/A
Vehicle, 2 Wheel Drive	\$60.00	\$192.00	\$460.00	OWNED	N/A
Vehicle, 4 Wheel Drive	\$80.00	\$256.00	\$614.00	OWNED	N/A
Utility Trailer	\$30.00	\$96.00	\$230.00	OWNED	N/A
Hydraulic Hand Lift	\$25.00	\$80.00	\$192.00	OWNED	N/A

KLEINFELDER INC, 1335 W AUTO DRIVE, TEMPE, AZ 85284

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	0	% Maximum Increase
3.2	3rd Year Period	2	% Maximum Increase
3.3	4th Year Period	4	% Maximum Increase
3.4	5th Year Period	6	% Maximum Increase

Terms: NET 30

Vendor Number: **W000000483 X**

Telephone Number: 480/763-1200

Fax Number: 480/763-1212

Contact Person: **Darcy Anderson**

E-mail Address: djanderson@kleinfelder.com

Company Web Site: www.kleinfelder.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008.**

LEGEND TECHNICAL SERVICES, 17631, N 25TH AVENUE, PHOENIX, AZ 85023

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-8 Laboratory And Analytical Services

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$95.00	PER HOUR
1.2	Project Manager	\$95.00	PER HOUR
1.3	Project Engineer/Scientist (Industrial Hygienist)	\$75.00	PER HOUR
1.4	Technician	\$65.00	PER HOUR
1.5	Clerical	\$45.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

Equipment Rental

Description	Daily rate	Comments
Noise Dosimeter	\$100/day	Metrosonics with datalogging capabilities
QTrak	\$125/day	Continuous monitoring of carbon dioxide, Carbon monoxide, temperature, relative humidity
PTrak	\$125/day	Ultrafine particle counter
DustTrak	\$125/day	Digital dust meter measures total dust weight over time increment with logging capabilities over time
Multi-gas meter	\$125/day	Oxygen, hydrogen sulfide, explosive gasses, carbon monoxide
Multi-gas meter	\$225/day	Substitution of nitrogen dioxide detector for hydrogen sulfide detector
Photoionization detector	\$ 75/day	
Portable Gas Chromatograph	\$125/day	
Moisture Meter	\$ 25/day	
Temperature/Relative humidity monitor	\$ 25/day	
Pressure differential guage	\$ 25/day	
Tracer gas testing equipment	\$500/location	
Low flow air sampling pump	No additional charge for Legend performed field work	
High flow air sampling pump	No additional charge for Legend performed field work	
Andersen sieve sampler	No additional charge for Legend performed field work	

LEGEND TECHNICAL SERVICES, 17631, N 25TH AVENUE, PHOENIX, AZ 85023

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	10	% Maximum Increase
3.2	3rd Year Period	10	% Maximum Increase
3.3	4th Year Period	10	% Maximum Increase
3.4	5th Year Period	10	% Maximum Increase

Terms: NET 30

Vendor Number: **W000004475 X**

Telephone Number: ~~602/942-8220~~ **602/324-6100**

Fax Number: ~~602/942-1050~~ **602/324-6101**

Contact Person: ~~Cheryl Sykora~~ **Robert Vertefeuille**

E-mail Address: ~~wwelbes@aol.com~~ rvertefeuille@legend-group.com

Company Web Site: www.legend-group.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

14201 N 87TH STREET, SUITE #135, SCOTTSDALE, AZ 85260
LFR LEVINE FRICKE, 13880 N NORTHSIGHT SUITE #115, SCOTTSDALE, AZ 85260 3666

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-1 Environmental Site Assessment/Site Inspection

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$145.00	PER HOUR
1.2	Project Manager	\$115.00	PER HOUR
1.3	Project Engineer/Scientist	\$100.00	PER HOUR
1.4	Technician	\$ 70.00	PER HOUR
1.5	Clerical	\$ 35.00	PER HOUR
1.6	Laboratory Services (ONLY APPLIES TO AOS #8)	N/A	% OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGIANL PROPOSAL)

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Truck Rental (1/2 day minimum)	\$130.00	\$390.00	\$1,170.00	YES	NA
2.2 Organic Vapor Meter (PID)	\$145.00	\$435.00	\$1,305.00	YES	NA
2.3 Organic Vapor Analyzer (FID)	\$150.00	\$450.00	\$1,350.00	YES	NA
2.4 Conductivity, pH, Thermometer, Cooler	\$65.00	\$195.00	\$585.00	YES	NA
2.5 Dissolved Oxygen Meter	\$55.00	\$165.00	\$495.00	YES	NA
2.6 Water Level Meter - Solinst	\$34.00	\$102.00	\$306.00	YES	NA
2.7 Oil/Water Interface Probe	\$61.00	\$183.00	\$549.00	YES	NA
2.8 Hand Auger, Sampling Probes & Tools	\$65.00	\$195.00	\$585.00	YES	NA
2.9 Digital Camcorder	\$45.00	\$135.00	\$405.00	YES	NA

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	0	% Maximum Increase
3.2	3rd Year Period	4	% Maximum Increase
3.3	4th Year Period	0	% Maximum Increase
3.4	5th Year Period	4	% Maximum Increase

14201 N 87TH STREET, SUITE #135, SCOTTSDALE, AZ 85260
LFR LEVINE FRICKE, 13880 N NORTHSIGHT SUITE #115, SCOTTSDALE, AZ 85260 3666

3-2 Remediation

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$145.00	PER HOUR
1.2	Project Manager	\$115.00	PER HOUR
1.3	Project Engineer/Scientist	\$100.00	PER HOUR
1.4	Technician	\$ 70.00	PER HOUR
1.5	Clerical	\$ 35.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Truck Rental (1/2 day minimum)	\$130.00	\$390.00	\$1,170.00	YES	NA
2.2 Organic Vapor Meter (PID)	\$145.00	\$435.00	\$1,305.00	YES	NA
2.3 Organic Vapor Analyzer (FID)	\$150.00	\$450.00	\$1,350.00	YES	NA
2.4 Conductivity, pH, Thermometer, Cooler	\$65.00	\$195.00	\$585.00	YES	NA
2.5 Dissolved Oxygen Meter	\$55.00	\$165.00	\$495.00	YES	NA
2.6 Water Level Meter - Solinst	\$34.00	\$102.00	\$306.00	YES	NA
2.7 Oil/Water Interface Probe	\$61.00	\$183.00	\$549.00	YES	NA
2.8 Hand Auger, Sampling Probes & Tools	\$65.00	\$195.00	\$585.00	YES	NA
2.9 Digital Camcorder	\$45.00	\$135.00	\$405.00	YES	NA

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	0	% Maximum Increase
3.2	3rd Year Period	4	% Maximum Increase
3.3	4th Year Period	0	% Maximum Increase
3.4	5th Year Period	4	% Maximum Increase

3-4 Environmental Engineering

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$145.00	PER HOUR
1.2	Project Manager	\$115.00	PER HOUR
1.3	Project Engineer/Scientist	\$100.00	PER HOUR
1.4	Technician	\$ 70.00	PER HOUR
1.5	Clerical	\$ 35.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Truck Rental (1/2 day minimum)	\$130.00	\$390.00	\$1,170.00	YES	NA
2.2 Organic Vapor Meter (PID)	\$145.00	\$435.00	\$1,305.00	YES	NA
2.3 Organic Vapor Analyzer (FID)	\$150.00	\$450.00	\$1,350.00	YES	NA
2.4 Conductivity, pH, Thermometer, Cooler	\$65.00	\$195.00	\$585.00	YES	NA
2.5 Dissolved Oxygen Meter	\$55.00	\$165.00	\$495.00	YES	NA
2.6 Water Level Meter - Solinst	\$34.00	\$102.00	\$306.00	YES	NA
2.7 Oil/Water Interface Probe	\$61.00	\$183.00	\$549.00	YES	NA
2.8 Hand Auger, Sampling Probes & Tools	\$65.00	\$195.00	\$585.00	YES	NA
2.9 Digital Camcorder	\$45.00	\$135.00	\$405.00	YES	NA

14201 N 87TH STREET, SUITE #135, SCOTTSDALE, AZ 85260
LFR LEVINE FRICKE, ~~13880 N NORTHSIGHT SUITE #115, SCOTTSDALE, AZ 85260 3666~~

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	0	% Maximum Increase
3.2	3rd Year Period	4	% Maximum Increase
3.3	4th Year Period	0	% Maximum Increase
3.4	5th Year Period	4	% Maximum Increase

Terms: NET 30

Vendor Number: **W000004858 X**

Telephone Number: 480/905-9311

Fax Number: 480/905-9353

Contact Person: ~~Bradley Cross~~ **Kari Silverman**

E-mail Address: ~~brad.cross@lfr.com~~ kari.silverman@lfr.com

Company Web Site: www.lfr.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

LOGAN SIMPSON DESIGN INC, 51 W THIRD STREET #450, TEMPE, AZ 85281

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-11 Environmental Assessment/Impact Statements

PERSONNEL CLASSIFICATION

HOURLY RATE

		LOGAN SIMPSON DESIGN	
1.1	Technical Director	\$113.65	PER HOUR
1.2	Project Manager	\$ 86.59	PER HOUR
1.3	Project Engineer/Scientist	\$ 73.06	PER HOUR
1.4	Technician	\$ 48.71	PER HOUR
1.5	Clerical	\$ 43.30	PER HOUR

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>5</u>	% Maximum Increase
3.2	3rd Year Period	<u>5</u>	% Maximum Increase
3.3	4th Year Period	<u>5</u>	% Maximum Increase
3.4	5th Year Period	<u>5</u>	% Maximum Increase

Terms: NET 30

Vendor Number: **W000004473 X**

Telephone Number: 480/967-1343

Fax Number: 480/966-9232

Contact Person: ~~Diane Simpson~~ **Angelique Gates**

E-mail Address: ~~dsimpson@lsdaz.com~~ agates@lsdaz.com

Company Web Site: www.logansimpsondesign.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

MACTEC ENGINEERING & CONSULTING OF GEORGIA INC, 3630 E WIER AVENUE, PHOENIX, AZ 85040

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-1 Site Assessment/Investigation

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$120.00	PER HOUR
1.2	Project Manager	\$ 90.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 75.00	PER HOUR
1.4	Technician	\$ 40.00	PER HOUR
1.5	Clerical	\$ 35.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vehicle	\$ 45	\$225	\$ 900	Yes	
2.2 Interface Probe	\$ 60	\$200	\$ 800	Yes	
2.3 Water Level Indicator	\$ 30	\$100	\$ 400	Yes	
2.4 PID	\$ 75	\$350	\$1,400	Yes	
2.5 FID	\$ 85	\$325	\$1,300	Yes	
2.6 PH, EC, Temp meter	\$ 40	\$ 90	\$ 360	Yes	
2.7 Hand Auger/Impact Sampler	\$ 15	\$ 60	\$ 240	Yes	
2.8 Submersible Pump	\$100	\$400	\$1,600	Yes	
2.9 Pressure Transducer, cable, datalog	\$ 75	\$250	\$1,000	Yes	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>2.5</u>	% Maximum Increase
3.2	3rd Year Period	<u>2.5</u>	% Maximum Increase
3.3	4th Year Period	<u>2.5</u>	% Maximum Increase
3.4	5th Year Period	<u>2.5</u>	% Maximum Increase

3-2 Remediation

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$130.00	PER HOUR
1.2	Project Manager	\$ 95.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 75.00	PER HOUR
1.4	Technician	\$ 45.00	PER HOUR
1.5	Clerical	\$ 35.00	PER HOUR

MACTEC ENGINEERING & CONSULTING OF GEORGIA INC, 3630 E WIER AVENUE, PHOENIX, AZ 85040

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.10 Vehicle	\$ 45	\$225	\$ 900	Yes	
2.11 Interface Probe	\$ 60	\$200	\$ 800	Yes	
2.12 Water Level Indicator	\$ 30	\$100	\$ 400	Yes	
2.13 PID	\$ 60	\$300	\$1,200	Yes	
2.14 FID	\$ 60	\$250	\$ 750	Yes	
2.15 PH, EC, Temp meter	\$ 100	\$700	\$3,000	Yes	
2.16 Hand Auger/Impact Sampler	\$ 60	\$ 250	\$ 750	Yes	
2.17 Submersible Pump	\$100	\$400	\$1,600	Yes	
2.18 Pressure Transducer, cable, datalog	\$ 75	\$250	\$1,000	Yes	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>2.5</u>	% Maximum Increase
3.2	3rd Year Period	<u>2.5</u>	% Maximum Increase
3.3	4th Year Period	<u>2.5</u>	% Maximum Increase
3.4	5th Year Period	<u>2.5</u>	% Maximum Increase

3-3 Asbestos/Lead-Based Paint

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$130.00	PER HOUR
1.2	Project Manager	\$ 90.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 79.00	PER HOUR
1.4	Technician	\$ 38.00	PER HOUR
1.5	Clerical	\$ 35.00	PER HOUR

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>2.5</u>	% Maximum Increase
3.2	3rd Year Period	<u>2.5</u>	% Maximum Increase
3.3	4th Year Period	<u>2.5</u>	% Maximum Increase
3.4	5th Year Period	<u>2.5</u>	% Maximum Increase

Terms: NET 10

Vendor Number: **W000003422 X**

Telephone Number: 602/437-0250

Fax Number: 602/437-3675

Contact Person: ~~John S. Kim~~ **Steve Myers**

E-mail Address: jskim@mactec.com smmyers@mactec.com

Company Web Site: www.mactec.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

MILLER BROOKS ENVIRONMENTAL IN., 202 E. EARLL DRIVE SUITE #470, PHOENIX, AZ 85012

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☐ YES ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☐ N/A ☐ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-2 Remediation

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$107.00	PER HOUR
1.2	Project Manager	\$ 95.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 83.00	PER HOUR
1.4	Technician	\$ 69.00	PER HOUR
1.5	Clerical	\$ 38.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 200cfm Trailer Mounted SVE System	\$150.00	\$600.00	\$1,800.00	Yes	\$0.44-mile
2.2 150 cfm Trailer Mounted SVE or AS System	\$100.00	\$425.00	\$1,700.00	Yes	\$0.44/mile

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>0</u>	% Maximum Increase
3.2	3rd Year Period	<u>2</u>	% Maximum Increase
3.3	4th Year Period	<u>3</u>	% Maximum Increase
3.4	5th Year Period	<u>3</u>	% Maximum Increase

Terms: 1% 10 DAYS NET 30

Vendor Number: **W000005079 X**

Telephone Number: 602/728-0577

Fax Number: 602/728-0585

Contact Person: Waseem Khan

E-mail Address: waseemkhan@millerbrookseenv.com

Company Web Site: www.millerbrookseenv.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

NATIVE ENVIRONMENTAL LLC, 2435 E UNIVERSITY DRIVE, PHOENIX, AA 85034**P089502 / B0603374 / NIGP CODE 91843**WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☒ YES ☐ NOREBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☒ YES ☐ NO 1 % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**3-3 Asbestos Abatement****PERSONNEL CLASSIFICATION****HOURLY RATE**

1.2	Project Manager	\$ 45.00	PER HOUR
1.4	Technician	\$ 40.00	PER HOUR
1.5	Clerical	\$ 28.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Negative Air Machine (1)	\$30.00	\$150.00	\$600.00	Owned	
2.2 Decon (3 Chamber)	\$200.00	(one time charge)			
2.3 HEPA Vacuum	\$40.00	\$200.00	\$ 600.00	Owned	
2.4 Personal Pump	\$40.00	\$200.00	\$ 600.00	Owned	
2.5 Airless Sprayer	\$30.00	\$150.00	\$ 600.00	Owned	
2.6 Water Filtration	\$15.00	\$125.00	\$ 500.00	Owned	
2.7 Truck & Trailer	\$100.00	\$500.00	\$1,500.00	Owned	\$.93
2.8 10K Generator	\$70.00	\$300.00	\$ 900.00	Owned	\$.93
2.9 Waste Trailer	\$25.00	\$125.00	\$ 500.00	Owned	\$75.00 per hour

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>0</u>	% Maximum Increase
3.2	3rd Year Period	<u>0</u>	% Maximum Increase
3.3	4th Year Period	<u>2</u>	% Maximum Increase
3.4	5th Year Period	<u>3</u>	% Maximum Increase

Terms: 1% 10 DAYS NET 30

Vendor Number: **W000004297 X**

Telephone Number: 602/254-0122

Fax Number: 602/254-0144

Contact Person: ~~Jon Riggs~~ Sherry OliverE-mail Address: jriggs@nativeenvironmental.com soliver@nativeaz.comCompany Web Site: www.nativeenvironmental.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

PHILIP TRANSPORTATION & REMEDIATION INC, 2003 W MCDOWELL RD, PHOENIX, AZ 85009
1801 W WATKINS STREET, PHOENIX, AZ 85007

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
 (Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-7 Waste Disposal

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Haz Mat Supervisor	\$ 47.00	PER HOUR
1.2	Project Manager	\$ 57.00	PER HOUR
1.3	Chemist	\$ 47.00	PER HOUR
1.4	Technician	\$ 37.00	PER HOUR
1.5	Clerical	\$ 20.00	PER HOUR
1.6	Laboratory Services	25% OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORIGINAL PROPOSAL)	

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vactor Guzzler	\$ 1,600.00			YES	\$1.65
2.2 Vacuum Truck	\$ 750.00			YES	\$1.65
2.3 Roll-Off Truck	\$ 755.00			YES	\$1.65
2.4 48' Flatbed	\$ 700.00			YES	\$1.65
2.5 48' Van with Lift	\$ 700.00			YES	\$1.65
2.6 24' Bobtail Van	\$ 600.00			YES	\$1.65
2.7 20 cubic yard End Dump	\$ 700.00			YES	\$1.65
2.8 Backhoe 580K	\$ 320.00			Leased	\$1.65
2.9 Monitoring Equipment	\$ 75.00			YES	\$1.65

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>0</u>	% Maximum Increase
3.2	3rd Year Period	<u>5</u>	% Maximum Increase - 2006
3.3	4th Year Period	<u>0</u>	% Maximum Increase - 2007
3.4	5th Year Period	<u>5</u>	% Maximum Increase - 2008

PHILIP TRANSPORTATION & REMEDIATION INC, 2003 W MCDOWELL RD, PHOENIX, AZ 85009
1801 W WATKINS STREET, PHOENIX, AZ 85007

Terms:	NET 30
Vendor Number:	W000004843 X
Telephone Number:	602/252-1186
Fax Number:	602/254-8305
Contact Person:	Frank Sanchez
E-mail Address:	fsanchez@contactpsc.com
Company Web Site:	www.contactpsc.com
Certificates of Insurance	Required
Contract Period:	To cover the period ending NOVEMBER 30, 2008

PROJECT DEVELOPMENT GROUP INC, 3801 N 34TH AVENUE, PHOENIX, AZ 85017**P089502 / B0603374 / NIGP CODE 91843**WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☒ YES ☐ NOREBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☒ YES ☐ NO 2 % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**3-3 Asbestos and Lead-Based Paint Assessment and Abatement****PERSONNEL CLASSIFICATION****HOURLY RATE**

1.2	Project Manager	\$ 36.00	PER HOUR
1.4	Technician	\$ 25.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Floor Buffer	\$24.99	\$100.50	\$333.94	Yes	
2.2 Generator 6K	\$17.17	\$135.25	\$390.50	Yes	
2.3 Hepa Air Filtration unit	\$26.50	\$120.57	\$337.60	Yes	
2.4 Airless Sprayer	\$68.50	\$287.70	\$865.97	Yes	
2.5 Scaffold Per 5' Section	\$10.65	\$ 44.22	\$132.65	Yes	
2.6 Scrapeway	\$35.42	\$118.04	\$354.05	Yes	
2.7 Dumpster	\$ 7.00	\$49.00	\$210.00	Yes	
2.8 Storage Box	\$ 0.00	\$ 0.00	\$ 65.00	Yes	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>2</u>	% Maximum Increase
3.2	3rd Year Period	<u>4</u>	% Maximum Increase
3.3	4th Year Period	<u>6</u>	% Maximum Increase
3.4	5th Year Period	<u>8</u>	% Maximum Increase

Terms: NET 30

Vendor Number: **W000000281 X**

Telephone Number: 602/231-8700

Fax Number: 602/231-8787

Contact Person: Shawn Seery

E-mail Address: sseery@pdge.comCompany Web Site: www.pdge.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

6888 W FRYE ROAD, CHANDLER, AZ 85226
RINCHEM COMPANY INC, 6607 W BOSTON STREET, CHANDLER, AZ 85226

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☒ YES ☐ NO 2 % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-7 Waste Disposal

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Project Manager	\$70.00	PER HOUR
1.2	Supervisor	\$60.00	PER HOUR
1.3	Field Chemist	\$65.00	PER HOUR
1.4	Environmental Technician II	\$45.00	PER HOUR
1.5	Administration/Clerical	\$40.00	PER HOUR

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>0</u>	% Maximum Increase
3.2	3rd Year Period	<u>4</u>	% Maximum Increase
3.3	4th Year Period	<u>2</u>	% Maximum Increase
3.4	5th Year Period	<u>4</u>	% Maximum Increase

Terms: NET 30

Vendor Number: **W000005395 X**

Telephone Number: ~~480/940-7575~~ **480/785-2873**

Fax Number: ~~480/940-7585~~ **480/785-5278**

Contact Person: Michael Gingerella

E-mail Address: mgingerella@rinchem.com

Company Web Site: www.rinchem.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

SAGE LANDSCAPE ARCHITECTURE, 2315 E SPEEDWAY BLVD, TUCSON, AZ 85719
ENVIRONMENT INC, 7537 E MCKINLEY ST SUITE 100, SCOTTSDALE, AZ 85257

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☐ YES ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☐ NO % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-11 Environmental Assessments/Environmental Impact Statements

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$109.00	PER HOUR
1.2	Project Manager	\$ 86.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 86.00	PER HOUR
1.4	Technician	\$ 75.00	PER HOUR
1.5	Clerical	\$ 58.00	PER HOUR

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>5</u>	% Maximum Increase
3.2	3rd Year Period	<u>5</u>	% Maximum Increase
3.3	4th Year Period	<u>5</u>	% Maximum Increase
3.4	5th Year Period	<u>5</u>	% Maximum Increase

Terms: NET 60

Vendor Number: **W000004677 X**

Telephone Number: ~~480/894-2399~~ **520/740-0950**

Fax Number: ~~480/874-2398~~ **520/740-0707**

Contact Person: Joy Lyndes

E-mail Address: jlyndes@sagelandscape.com info@sagelandscape.com

Company Web Site: www.sagelandscape.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, 2801 S 35TH STREET, PHOENIX, AZ 85034
SCOTT ALLARD & BOHANNAN INC, 3001 W INDIAN SCHOOL RD #312, PHOENIX, AZ 85017

P089502 / B0603374 / NIGP CODE 91843

3-1 Environmental Site Assessment And Investigation

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$130.00	PER HOUR
1.2	Project Manager	\$ 70.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 85.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 PID	\$115.00	\$400.00	\$1,000.00	Owned	
2.2 PH/Temperature/Conductivity Meter	\$25.00	\$60.00	\$180.00	Owned	
2.3 Decontamination Equipment	\$25.00	\$85.00	\$320.00	Owned	
2.4 Soil Auger	\$35.00	\$125.00	\$250.00	Owned	
2.5 Support Vehicle	\$55.00	\$200.00	\$600.00	Individual Employee Vehicles	
2.6 Groundwater Level Meter	\$25.00	\$60.00	\$180.00	Owned	
2.7 CGI/O2/TOX	\$45.00	\$160.00	\$400.00	Owned	

3-4 Environmental Engineering Services

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$130.00	PER HOUR
1.2	Project Manager	\$ 85.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 75.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Test trailer	\$200.00	\$800.00	\$3000.00	Yes	\$2.30
2.2 Method 5 Sample train	\$100.00	\$400.00	\$1500.00	Yes	N/A
2.3 No _x Analyzer	\$100.00	\$400.00	\$1500.00	Yes	N/A
2.4 CO Analyzer	\$100.00	\$400.00	\$1500.00	Yes	N/A
2.5 VOC Analyzer	\$100.00	\$400.00	\$1500.00	Yes	N/A
2.6 Strip chart recorder	\$ 25.00	\$100.00	\$ 300.00	Yes	N/A

GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, 2801 S 35TH STREET, PHOENIX, AZ 85034
SCOTT ALLARD & BOHANNAN INC, 3001 W INDIAN SCHOOL RD #312, PHOENIX, AZ 85017

3-5 Industrial Hygiene / Indoor Air Quality Services

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$130.00	PER HOUR
1.2	Project Manager	\$110.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 85.00	PER HOUR
1.4	Technician	\$ 75.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Personal Sampling Pumps (20 ea)	\$ 10.00	\$ 30.00	\$90.00	Yes	N/A
2.2 Alnor Velometers & Balometers (3 ea)	\$ 45.00	\$125.00	\$350.00	Yes	N/A
2.3 Larson Davis Noise Dosimeters (6 ea)	\$ 35.00	\$105.00	\$300.00	Yes	N/A
2.5 Larson Davis Type 1 Octave Bond Analyzer (1 ea)	\$175.00	\$500.00	\$900.00	Yes	N/A
2.5 QTrak & PTrak IAQ monitors (4ea)	\$ 35.00	\$105.00	\$300.00	Yes	N/A
2.6 Drager PAC III IAQ monitors (4 ea)	\$ 35.00	\$105.00	\$300.00	Yes	N/A
2.7 Teslatronics EMF meter (1 ea)	\$ 25.00	\$ 75.00	\$225.00	Yes	N/A
2.8 Andersen Bioaerosol sampler (1 ea)	\$ 35.00	\$105.00	\$300.00	Yes	N/A
2.9 Air O Cell Spore Trap sampler (2 ea)	\$ 15.00	\$ 45.00	\$105.00	Yes	N/A
2.10 Simpson Light Meter (1ea)	\$ 10.00	\$ 30.00	\$ 90.00	Yes	N/A
2.11 MSA Passport CGI (1 ea)	\$ 45.00	\$125.00	\$350.00	Yes	N/A

3-6 Environmental Training

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$130.00	PER HOUR
1.2	Project Manager	\$ 85.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 75.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR

Terms: NET 30

Vendor Number: **W000001290 X**

Telephone Number: ~~602/263-0045~~ **602/393-4800**

Fax Number: ~~602/263-0749~~ **602/393-4801**

Contact Person: ~~Robert Bohannon Frank Guerra / Chet Pearson~~ **Stephen Smelser**

E-mail Address: ~~rbhannon@sab-env.com~~ info@gecsab.com

Company Web Site: www.sab-env.com www.gecsab.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

SCS ENGINEERS, 2702 N 44TH STREET STE 105 B, PHOENIX, AZ 85008-1583

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☒ YES ☐ NO 2 % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-1 Environmental Site Assessments/Site Investigation

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$140.00	PER HOUR
1.2	Project Manager	\$112.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 85.00	PER HOUR
1.4	Technician	\$ 60.00	PER HOUR
1.5	Clerical	\$ 50.00	PER HOUR
1.6	Laboratory Services	20% OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORIGINAL PROPOSAL)	

2.0 EQUIPMENT PRICING SCHEDULE

EQUIPMENT PRICING SCHEDULE				OVNER OR	COST PER
<u>EQUIPMENT NAME</u>		<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>LEASED YES/NO</u>	<u>MILE TO AND FROM SITE</u>
2.1	Oxygen/Methane Meter (Gas Tech)	\$ 40.00	\$175.00	\$ 525.00	Yes
2.2	Mini-Rae PID	\$ 75.00	\$350.00	\$,1050.00	Yes
2.3	Multi-Rae Gas Monitor	\$100.00	\$400.00	\$,1200.00	Yes
2.4	RKI Eagle Multiple Gas Monitor	\$125.00	\$425.00	\$,1275.00	Yes
2.5	Landfill Gas Analyzer (LandTec)	\$100.00	\$400.00	\$,1200.00	Yes
2.6	Detector Tubes (Drager Tubes)	5 ea.			Yes
2.7	Trimble Pro XPS GPS Receiver	\$200.00	\$600.00	\$1,800.00	Yes
2.8	Ph/Conductivity/Temp Meter (Hydac)	\$ 35.00	\$100.00	\$ 300.00	Yes
2.9	Water Logger/Transducer	N/A	\$325.00	\$ 975.00	Yes
2.10	Submersible Pump (Redi-Flo 2)	\$150.00	\$450.00	\$1,350.00	Yes
2.11	Water Level Indicator (Solinst)	\$ 30.00	\$ 80.00	\$ 240.00	Yes
2.12	Keck Interface Probe (200ft)	\$ 70.00	\$200.00	\$ 600.00	Yes
2.13	Water Tank (300 Gal Polyethylene)	\$ 35.00	\$150.00	\$ 450.00	Yes
2.14	Generator	\$ 60.00	\$240.00	\$ 720.00	Yes
2.15	Teflon Well Bailers	\$ 25.00	\$100.00	\$ 300.00	Yes
2.16	Digital Camera	\$ 15.00	\$ 65.00	\$ 195.00	Yes
2.17	Disposable Bailers	10 es.			Yes
2.18	Field Groundwater Filter	20 ea.			Yes
2.19	Air Sparge Compressor 7.5 CFM	N/A	\$100.00	\$ 300.00	Yes
2.20	Hand Auger	\$ 25.00	\$ 75.00	\$ 225.00	Yes
2.21	Pressure Gauges (Magnahelic)	\$ 10.00	\$ 40.00	\$ 120.00	Yes
2.22	PPE, Level C	\$ 35.00	\$140.00	\$ 420.00	Yes
2.23	Surveyo's Level	\$ 5.00	\$ 30.00	\$ 90.00	Yes
2.24	Decon Water (5 Gal.)	8 ea.			Yes
2.25	Brass Sample Sleeves/Caps-Teflon	3 ea.			Yes
2.26	Field Truck	\$ 60.00	\$300.00	\$900.00	Yes

SCS ENGINEERS, 2702 N 44TH STREET STE 105 B, PHOENIX, AZ 85008-1583**3.0 ESCALATION SCHEDULE**

3.1	2nd Year Period	<u>2</u>	% Maximum Increase
3.2	3rd Year Period	<u>2</u>	% Maximum Increase
3.3	4th Year Period	<u>2</u>	% Maximum Increase
3.4	5th Year Period	<u>3</u>	% Maximum Increase

3-2 Remediation**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$140.00	PER HOUR
1.2	Project Manager	\$112.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 85.00	PER HOUR
1.4	Technician	\$ 60.00	PER HOUR
1.5	Clerical	\$ 50.00	PER HOUR
1.6	Laboratory Services	20% OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORIGINAL PROPOSAL)	

2.0 EQUIPMENT PRICING SCHEDULE

		PRICE	PRICE	PRICE	OVNER OR	COST PER
<u>EQUIPMENT NAME</u>		<u>PER DAY</u>	<u>PER WEEK</u>	<u>PER MONTH</u>	<u>LEASED</u>	<u>MILE TO AND</u>
					<u>YES/NO</u>	<u>FROM SITE</u>
2.1	Oxygen/Methane Meter (Gas Tech)	\$ 40.00	\$175.00	\$ 525.00	Yes	
2.2	Mini-Rae PID	\$ 75.00	\$350.00	\$,1050.00	Yes	
2.3	Multi-Rae Gas Monitor	\$100.00	\$400.00	\$,1200.00	Yes	
2.4	RKI Eagle Multiple Gas Monitor	\$125.00	\$425.00	\$,1275.00	Yes	
2.5	Landfill Gas Analyzer (LandTec)	\$100.00	\$400.00	\$,1200.00	Yes	
2.6	Detector Tubes (Drager Tubes)	5 ea.			Yes	
2.7	Trimble Pro XPS GPS Receiver	\$200.00	\$600.00	\$1,800.00	Yes	
2.8	Ph/Conductivity/Temp Meter (Hydac)	\$ 35.00	\$100.00	\$ 300.00	Yes	
2.9	Water Logger/Transducer	N/A	\$325.00	\$ 975.00	Yes	
2.10	Submersible Pump (Redi-Flo 2)	\$150.00	\$450.00	\$1,350.00	Yes	
2.11	Water Level Indicator (Solinst)	\$ 30.00	\$ 80.00	\$ 240.00	Yes	
2.12	Keck Interface Probe (200ft)	\$ 70.00	\$200.00	\$ 600.00	Yes	
2.13	Water Tank (300 Gal Polyethylene)	\$ 35.00	\$150.00	\$ 450.00	Yes	
2.14	Generator	\$ 60.00	\$240.00	\$ 720.00	Yes	
2.15	Teflon Well Bailers	\$ 25.00	\$100.00	\$ 300.00	Yes	
2.16	Digital Camera	\$ 15.00	\$ 65.00	\$ 195.00	Yes	
2.17	Disposable Bailers	10 es.			Yes	
2.18	Field Groundwater Filter	20 ea.			Yes	
2.19	Air Sparge Compressor 7.5 CFM	N/A	\$100.00	\$ 300.00	Yes	
2.20	Hand Auger	\$ 25.00	\$ 75.00	\$ 225.00	Yes	
2.21	Pressure Gauges (Magnahelic)	\$ 10.00	\$ 40.00	\$ 120.00	Yes	
2.22	PPE, Level C	\$ 35.00	\$140.00	\$ 420.00	Yes	
2.23	Surveyo's Level	\$ 5.00	\$ 30.00	\$ 90.00	Yes	
2.24	Decon Water (5 Gal.)	8 ea.			Yes	
2.25	Brass Sample Sleeves/Caps-Teflon	3 ea.			Yes	
2.26	Field Truck	\$ 60.00	\$300.00	\$900.00	Yes	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>2</u>	% Maximum Increase
3.2	3rd Year Period	<u>2</u>	% Maximum Increase
3.3	4th Year Period	<u>2</u>	% Maximum Increase
3.4	5th Year Period	<u>3</u>	% Maximum Increase

SCS ENGINEERS, 2702 N 44TH STREET STE 105 B, PHOENIX, AZ 85008-1583

Terms:	NET 30
Vendor Number:	W000004472 X
Telephone Number:	602/840-2596
Fax Number:	602/224-0572
Contact Person:	Brad Johnston
E-mail Address:	bjohnston@scsengineers.com
Company Web Site:	www.scsengineers.com
Certificates of Insurance	Required
Contract Period:	To cover the period ending NOVEMBER 30, 2008

1403 W 10TH PLACE, STE. B107, TEMPE, AZ 85281
SECOR INTERNATIONAL INC, 1830 W UNIVERSITY DRIVE #106 TEMPE, AZ 85281

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☐ YES ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☐ NO % REBATE
 (Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-1 Environmental Site Assessment and Investigation

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$125.00	PER HOUR
1.2	Project Manager	\$ 95.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 75.00	PER HOUR
1.4	Technician	\$ 50.00	PER HOUR
1.5	Clerical	\$ 40.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vehicle	\$ 75.00	\$375.00	\$1,500.00	Owned	
2.2 Generator	\$ 50.00	\$250.00	\$1,000.00	Owned	
2.3 Interface Probe	\$ 50.00	\$250.00	\$1,000.00	Owned	
2.4 PH/EC/Temp Meter	\$ 15.00	\$ 75.00	\$ 300.00	Owned	
2.5 PID	\$100.00	\$500.00	\$2,000.00	Owned	
2.6 FID	\$100.00	\$500.00	\$2,000.00	Owned	
2.7 Submersible Pump	\$ 50.00	\$250.00	\$1,000.00	Owned	
2.8 Hand Auger	\$ 25.00	\$125.00	\$ 500.00	Owned	
2.9 GPS Equipment	\$100.00	\$500.00	\$2,000.00	Owned	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>4</u>	% Maximum Increase
3.2	3rd Year Period	<u>4</u>	% Maximum Increase
3.3	4th Year Period	<u>4</u>	% Maximum Increase
3.4	5th Year Period	<u>4</u>	% Maximum Increase

3-2 Remediation

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$125.00	PER HOUR
1.2	Project Manager	\$ 95.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 75.00	PER HOUR
1.4	Technician	\$ 50.00	PER HOUR
1.5	Clerical	\$ 40.00	PER HOUR

1403 W 10TH PLACE, STE. B107, TEMPE, AZ 85281
SECOR INTERNATIONAL INC, 1830 W UNIVERSITY DRIVE #106 TEMPE, AZ 85281

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vehicle	\$ 75.00	\$375.00	\$1,500.00	Owned	
2.2 Generator	\$ 50.00	\$250.00	\$1,000.00	Owned	
2.3 Interface Probe	\$ 50.00	\$250.00	\$1,000.00	Owned	
2.4 PH/EC/Temp Meter	\$ 15.00	\$ 75.00	\$ 300.00	Owned	
2.5 PID	\$100.00	\$500.00	\$2,000.00	Owned	
2.6 FID	\$100.00	\$500.00	\$2,000.00	Owned	
2.7 Submersible Pump	\$ 50.00	\$250.00	\$1,000.00	Owned	
2.8 Hand Auger	\$ 25.00	\$125.00	\$ 500.00	Owned	
2.9 GPS Equipment	\$100.00	\$500.00	\$2,000.00	Owned	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>4</u>	% Maximum Increase
3.2	3rd Year Period	<u>4</u>	% Maximum Increase
3.3	4th Year Period	<u>4</u>	% Maximum Increase
3.4	5th Year Period	<u>4</u>	% Maximum Increase

Terms: NET 30

Vendor Number: **W000005029 X**

Telephone Number: 480/804-1420

Fax Number: 480/804-1482

Contact Person: ~~Phillip Schneider~~ **Lisa Howard**

E-mail Address: pschneider@secor.com

Company Web Site: www.secor.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

2202 W MEDTRONIC WAY SUITE 108, TEMPE, AZ 85281

SPRAY SYSTEMS ENVIRONMENTAL, 820 W FAIRMONT DRIVE, TEMPE, AZ 85282

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☒ YES ☐ NO 1 % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-3 Asbestos Abatement

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$ 59.00	PER HOUR
1.2	Project Manager	\$ 51.00	PER HOUR
1.4	Technician	\$ 33.50	PER HOUR
1.5	Clerical	\$ 31.50	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Negative Air Machine	\$25.00	\$125.00	\$ 500.00	Owned	\$0.10
2.2 Pullman Vacuum	\$20.00	\$100.00	\$ 400.00	Owned	\$0.10
2.3 Wagner Power Sprayer	\$20.00	\$100.00	\$ 400.00	Owned	\$0.10
2.4 Water Filtration Unit	\$20.00	\$100.00	\$ 400.00	Owned	\$0.10
2.5 Person Decon	\$100.00	\$500.00	\$1,000.00	Owned	\$0.25
2.6 Monitor Unit	\$25.00	\$125.00	\$ 500.00	Owned	\$0.10
2.7 Portable Generator	\$100.00	\$500.00	\$1,000.00	Owned	\$0.25

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>3</u>	% Maximum Increase
3.2	3rd Year Period	<u>6</u>	% Maximum Increase
3.3	4th Year Period	<u>8</u>	% Maximum Increase
3.4	5th Year Period	<u>10</u>	% Maximum Increase

Terms: 2% 10 DAYS NET 30

Vendor Number: **W000000494 X**

Telephone Number: 480/967-8300

Fax Number: ~~480/894-4659~~ **480/894-1966**

Contact Person: ~~Chris Boyles~~ **Natalie Penfold**

E-mail Address: slynch@spraysystemseri.com npenfold@spraysystemseri.com

Company Web Site: www.spraysystemseri.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

STANTEC CONSULTING INC, 8211 S 48TH STREET, PHOENIX, AZ 85044

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

INTERNET ORDERING CAPABILITY: ☐ YES ☒ NO ☐ % DISCOUNT

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☐ YES ☒ NO

3-4 Environmental Engineering Services

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$137.00	PER HOUR
1.2	Project Manager	\$130.00	PER HOUR
1.3	Project Manager	\$116.00	PER HOUR
1.4	Technician	\$ 88.00	PER HOUR
1.5	Clerical	\$ 60.00	PER HOUR

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>5</u>	% Maximum Increase
3.2	3rd Year Period	<u>5</u>	% Maximum Increase
3.3	4th Year Period	<u>5</u>	% Maximum Increase
3.4	5th Year Period	<u>5</u>	% Maximum Increase

Terms: NET 30

Vendor Number: **W000000570 X**

Telephone Number: 602/438-2200

Fax Number: 602/431-9562

Contact Person: ~~Tim Lines~~ **Bath Ann Moffett**

E-mail Address: ~~tlines@stantec.com~~ phxproposals@stantec.com

Company Web Site: www.stantec.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

SWCA INC, 2120 N CENTRAL AVENUE #130, PHOENIX, AZ 85004**P089502 / B0603374 / NIGP CODE 91843**WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☐ YES ☒ NOREBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☐ NO % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**3-11** Environmental Assessment/Impact Statements**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$100.00	PER HOUR
1.2	Project Manager	\$ 70.00	PER HOUR
1.3	Project Manager	\$ 70.00	PER HOUR
1.4	Technician	\$ 58.00	PER HOUR
1.5	Clerical	\$ 30.00	PER HOUR

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>2</u>	% Maximum Increase
3.2	3rd Year Period	<u>2</u>	% Maximum Increase
3.3	4th Year Period	<u>2</u>	% Maximum Increase
3.4	5th Year Period	<u>2</u>	% Maximum Increase

Terms: NET 30

Vendor Number: **W000004784 X**

Telephone Number: 602/274-3831

Fax Number: 602/274-3958

Contact Person: ~~Doug Mitchell~~ **Lauren Kreiger**E-mail Address: ~~dmitchell@swca.com~~ lkreiger@swca.comCompany Web Site: www.swca.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

TRANSWEST GEOCHEM INC., 3725 E ATLANTA AVENUE, PHOENIX, AZ 85040

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-8 Laboratory and Analytical Services

PERSONNEL CLASSIFICATION

HOURLY RATE

1.6 Laboratory Services

15 % OFF CURRENT PRICE LIST (MUST BE SUBMITTED
WITH ORIGINAL PROPOSAL)

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>0</u>	% Maximum Increase
3.2	3rd Year Period	<u>2</u>	% Maximum Increase
3.3	4th Year Period	<u>2</u>	% Maximum Increase
3.4	5th Year Period	<u>2</u>	% Maximum Increase

Terms: NET 30

Vendor Number: **W000003361 X**

Telephone Number: 602/437-0330

Fax Number: 602/437-0660

Contact Person: Michael Barber

E-mail Address: mbarber@transgeo.com

Company Web Site: www.transgeo.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

14301 N. 87TH STREET, SUITE #114, SCOTTSDALE, AZ 85260
TRC, 7702 E DOUBLETREE RANCH RD SUITE #300, SCOTTSDALE, AZ 85258

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☐ YES ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☐ NO % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-1 Environmental Site Assessment/Investigation

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$120.00	PER HOUR
1.2	Project Manager	\$ 92.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 81.00	PER HOUR
1.4	Technician	\$ 60.00	PER HOUR
1.5	Clerical	\$ 55.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vehicle	\$100.00	\$400.00	\$1,500.00	Leased	
2.2 Interface Probe	\$ 61.00	\$245.00	\$ 700.00	Leased	
2.3 ph/Ec/Temp Meter	\$ 28.00	\$100.00	\$ 300.00	Leased	
2.4 PID	\$110.00	\$400.00	\$1,200.00	Leased	
2.5 CGI (Combustible Gas Inc.)	\$ 50.00	\$200.00	\$ 600.00	Leased	
2.6 Water Level Indicator	\$ 35.00	\$140.00	\$ 420.00	Leased	
2.7 Dissolved Oxygen Meter	\$ 44.00	\$170.00	\$ 520.00	Leased	
2.8 Bailer (Reusable)	\$ 40.00	\$160.00	\$ 480.00	Leased	
2.9 Hand Auger	\$ 55.00	\$220.00	\$ 660.00	Leased	
2.10 Impac Sampler	\$ 55.00	\$220.00	\$ 660.00	Leased	
2.11 Gps Equipment	\$ 55.00	\$220.00	\$ 660.00	Leased	
2.12 Flow Throgh Cell	\$ 30.00	\$120.00	\$ 360.00	Leased	
2.13 Pressure Transducer, Cable	\$150.00	\$600.00	\$1,800.00	Leased	

3.0 ESCALATION SCHEDULE

Escalation not to exceed increase in the U.S Department of Labor (Bureau of Labor Statistics) Consumer Price Index for urban consumers.

3-2 Remediation

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$120.00	PER HOUR
1.2	Project Manager	\$ 92.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 81.00	PER HOUR
1.4	Technician	\$ 60.00	PER HOUR
1.5	Clerical	\$ 55.00	PER HOUR

14301 N. 87TH STREET, SUITE #114, SCOTTSDALE, AZ 85260
TRC, 7702 E DOUBLETREE RANCH RD SUITE #300, SCOTTSDALE, AZ 85258

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vehicle	\$100.00	\$400.00	\$1,500.00	Leased	
2.2 Interface Probe	\$ 61.00	\$245.00	\$ 700.00	Leased	
2.3 ph/Ec/Temp Meter	\$ 28.00	\$100.00	\$ 300.00	Leased	
2.4 PID	\$110.00	\$400.00	\$1,200.00	Leased	
2.5 CGI (Combustible Gas Inc.)	\$ 50.00	\$200.00	\$ 600.00	Leased	
2.6 Water Level Indicator	\$ 35.00	\$140.00	\$ 420.00	Leased	
2.7 Dissolved Oxygen Meter	\$ 44.00	\$170.00	\$ 520.00	Leased	
2.8 Bailer (Reusable)	\$ 40.00	\$160.00	\$ 480.00	Leased	
2.9 Hand Auger	\$ 55.00	\$220.00	\$ 660.00	Leased	
2.10 Impac Sampler	\$ 55.00	\$220.00	\$ 660.00	Leased	
2.11 Gps Equipment	\$ 55.00	\$220.00	\$ 660.00	Leased	
2.12 Flow Throgh Cell	\$ 30.00	\$120.00	\$ 360.00	Leased	
2.13 Pressure Transducer, Cable	\$150.00	\$600.00	\$1,800.00	Leased	

3.0 ESCALATION SCHEDULE

Escalation not to exceed increase in the U.S Department of Labor (Bureau of Labor Statistics) Consumer Price Index for urban consumers.

3-4 Environmental Engineering Services

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1 Technical Director	\$120.00	PER HOUR
1.2 Project Manager	\$ 92.00	PER HOUR
1.3 Project Engineer/Scientist	\$ 81.00	PER HOUR
1.4 Technician	\$ 60.00	PER HOUR
1.5 Clerical	\$ 55.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vehicle	\$100.00	\$ 400.00	\$1,500.00	Owned	
2.2 MILEAGE (\$/MILE)	\$ 0.35	\$ 0.35	\$ 0.35	Owned	
2.3 TRAILER	\$ 75.00	\$ 450.00	\$1,000.00	Owned	
2.4 TCEMS	\$500.00	\$2,500.00	\$4,200.00	Owned	
2.5 DILUTENTS (O2/CO2)	\$225.00	\$1,000.00	\$3,500.00	Owned	
2.6 SULFUR DIOXIDE	\$200.00	\$ 800.00	\$2,800.00	Owned	
2.7 OXIDES OF NITROGEN	\$250.00	\$1,250.00	\$4,375.00	Owned	
2.8 CARBON MONOXIDE	\$200.00	\$ 800.00	\$2,800.00	Owned	
2.9 FR-IR	\$500.00	\$2,500.00	\$8,750.00	Owned	
2.10 FID	\$125.00	\$ 625.00	\$1,750.00	Owned	
2.11 DATA ACQUISITION	\$100.00	\$ 500.00	\$1,500.00	Owned	
2.12 FIELD PC	\$100.00	\$ 350.00	\$1,000.00	Owned	
2.13 METHOD 5 CONSOLE	\$ 50.00	\$ 250.00	\$1,000.00	Owned	
2.14 IN-STACK IMPACTORS	\$125.00	\$ 625.00	\$1,750.00	Owned	
2.15 RM2 SYSTEM (FLOW)	\$ 50.00	\$ 250.00	\$750.00	Owned	
2.16 CHEMICALS/CONSUMABLES	COST + 7%	COST + 7%	COST + 7%	Purchased	
2.17 NIST CALIBRATION GASES	COST + 7%	COST + 7%	COST + 7%	Purchased	
2.18 PERSONAL SAMPLER (0-1L)	\$ 50.00	\$ 250.00	\$750.00	Owned	
2.19 MEDIA (IH SAMPLING)	COST + 7%	COST + 7%	COST + 7%	Purchased	
2.20 FLOW METER (LO)	\$ 50.00	\$ 350.00	\$1,750.00	Owned	

14301 N. 87TH STREET, SUITE #114, SCOTTSDALE, AZ 85260

TRC, 7702 E DOUBLETREE RANCH RD SUITE #300, SCOTTSDALE, AZ 85258

2.21	PM (TSP)	\$100.00	\$ 400.00	\$1,200.00	Owned
2.22	MEDIA (GLASS 8X10)/UNIT	\$ 2.50	\$ 2.50	\$ 2.50	Purchased
2.23	PM10 HI-VOL AUDIT DEVICE	\$ 50.00	\$ 150.00	\$ 450.00	Owned
2.24	PM10 (HI-VOL)	\$125.00	\$ 500.00	\$1,750.00	Owned
2.25	MEDIA (QUARTZ 8 X 10)/UNIT	\$9.00	\$ 9.00	\$ 9.00	Purchased
2.26	PM10 (LO-VOL)	\$100.00	\$ 500.00	\$1,750.00	Owned
2.27	PM10 LO-VOL AUDIT DEVICE	\$ 50.00	\$ 150.00	\$ 450.00	Owned
2.28	MEDIA (TFE 37 mm)/CASSETTE	\$ 8.25	\$ 8.25	\$ 8.25	Purchased
2.29	10 M –Meteorology (WS/WS/T)	\$ 75.00	\$ 500.00	\$2,000.00	Owned
2.30	Audit Standards –MET	\$ 50.00	\$ 250.00	\$1,250.00	Owned
2.31	MINI RAM	\$ 75.00	\$ 350.00	\$1,200.00	Owned
2.32	BALANCE (0.1 mg)	\$ 50.00	\$ 300.00	\$1,200.00	Owned
2.33	BALANCE (0.1 mg)	\$100.00	\$ 500.00	\$,1750.00	Owned

3.0 ESCALATION SCHEDULE

Escalation not to exceed increase in the U.S Department of Labor (Bureau of Labor Statistics) Consumer Price Index for urban consumers.

3-11 Environmental Assessment/Impact Statements

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$120.00	PER HOUR
1.2	Project Manager	\$ 92.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 81.00	PER HOUR
1.4	Technician	\$ 60.00	PER HOUR
1.5	Clerical	\$ 55.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vehicle	\$100.00	\$400.00	\$1,500.00	Owned	
2.2 Generator	\$ 61.00	\$245.00	\$ 700.00	Owned	
2.3 GPS (GEO III)	\$ 50.00	\$210.00	\$ 650.00	Owned	
2.4 GPS (PRO XR-Backpack unit)	\$ 60.00	\$220.00	\$ 660.00	Owned	
2.5 Digital Camera	\$ 5.00	\$ 25.00	\$ 200.00	Owned	
2.6 Total Station Unit	\$ 90.00	\$375.00	\$1,200.00	Owned	

3.0 ESCALATION SCHEDULE

Escalation not to exceed increase in the U.S Department of Labor (Bureau of Labor Statistics) Consumer Price Index for urban consumers.

14301 N. 87TH STREET, SUITE #114, SCOTTSDALE, AZ 85260
TRC, 7702 E DOUBLETREE RANCH RD SUITE #300, SCOTTSDALE, AZ 85258

Terms: NET 30

Vendor Number: **W000000777 X**

Telephone Number: ~~480/902-3444~~ **480/483-1500**

Fax Number: ~~480/902-3445~~ **480/483-1516**

Contact Person: ~~Scott Brown~~ **Katherine Roxlo**

E-mail Address: sbrown@tresolutions.com kroxlo@tresolutions.com

Company Web Site: www.trcsolutions.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

URS CORPORATION, 7720 N 16TH STREET, SUITE #100, PHOENIX, AZ 85020**P089502 / B0603374 / NIGP CODE 91843**WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☐ YES ☒ NOREBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**3-1 Environmental Site Assessment and Investigation****PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$130.00	PER HOUR
1.2	Project Manager	\$ 98.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 75.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vehicle	\$ 64.00	\$320.00	\$1,280.00	yes	\$ 0.36
2.2 PID	\$100.00	\$400.00	\$1,200.00	yes	
2.3 Water Level Indicator	\$ 25.00	\$100.00	\$ 300.00	yes	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>1.5</u>	% Maximum Increase
3.2	3rd Year Period	<u>3.0</u>	% Maximum Increase
3.3	4th Year Period	<u>4.5</u>	% Maximum Increase
3.4	5th Year Period	<u>6.0</u>	% Maximum Increase

3-2 Remediation**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$130.00	PER HOUR
1.2	Project Manager	\$ 98.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 75.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vehicle	\$ 64.00	\$320.00	\$1,280.00	yes	\$ 0.36
2.2 PID	\$100.00	\$400.00	\$1,200.00	yes	
2.3 Water Level Indicator	\$ 25.00	\$100.00	\$ 300.00	yes	

URS CORPORATION, 7720 N 16TH STREET, SUITE #100, PHOENIX, AZ 85020**3.0 ESCALATION SCHEDULE**

3.1	2nd Year Period	<u>1.5</u>	% Maximum Increase
3.2	3rd Year Period	<u>3.0</u>	% Maximum Increase
3.3	4th Year Period	<u>4.5</u>	% Maximum Increase
3.4	5th Year Period	<u>6.0</u>	% Maximum Increase

3-4 Environmental Engineering**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$130.00	PER HOUR
1.2	Project Manager	\$ 98.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 75.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>		<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1	Vehicle	\$ 64.00	\$320.00	\$1,280.00	yes	\$ 0.36
2.2	PID	\$100.00	\$400.00	\$1,200.00	yes	
2.3	Water Level Indicator	\$ 25.00	\$100.00	\$ 300.00	yes	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>1.5</u>	% Maximum Increase
3.2	3rd Year Period	<u>3.0</u>	% Maximum Increase
3.3	4th Year Period	<u>4.5</u>	% Maximum Increase
3.4	5th Year Period	<u>6.0</u>	% Maximum Increase

3-5 Industrial Hygiene/Indoor Air Quality Services**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$130.00	PER HOUR
1.2	Project Manager	\$ 98.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 75.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>		<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1	Vehicle	\$ 64.00	\$320.00	\$1,280.00	yes	\$ 0.36

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>1.5</u>	% Maximum Increase
3.2	3rd Year Period	<u>3.0</u>	% Maximum Increase
3.3	4th Year Period	<u>4.5</u>	% Maximum Increase
3.4	5th Year Period	<u>6.0</u>	% Maximum Increase

PERSONNEL CLASSIFICATION

1.1	Technical Director	\$130.00	PER HOUR
1.2	Project Manager	\$ 98.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 75.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Vehicle	\$ 64.00	\$320.00	\$1,280.00	yes	\$ 0.36

3.1	2nd Year Period	1.5	% Maximum Increase
3.2	3rd Year Period	3.0	% Maximum Increase
3.3	4th Year Period	4.5	% Maximum Increase
3.4	5th Year Period	6.0	% Maximum Increase

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

WDC EXPLORATION & WELLS, 1421 S 39TH AVENUE, PHOENIX, AZ 85009

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☐ YES ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

3-9 Drilling

1.1 Pricing to be based upon individual project specifications and scope of work

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>1.5</u>	% Maximum Increase
3.2	3rd Year Period	<u>2.5</u>	% Maximum Increase
3.3	4th Year Period	<u>3.5</u>	% Maximum Increase
3.4	5th Year Period	<u>5</u>	% Maximum Increase

Terms: NET 30

Vendor Number: **W000005043 X**

Telephone Number: 602/254-6586

Fax Number: 602/254-6648

Contact Person: ~~John Truax~~ **Eric Brue**

E-mail Address: johntruax@wdcexploration.com ericbrue@wdcexploration.com

Company Web Site: www.wdcexploration.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

WESTERN TECHNOLOGIES INC, 3737 E BROADWAY RD., PHOENIX, AZ 85040**P089502 / B0603374 / NIGP CODE 91843**WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☒ NO Not at this time. Willing to consider in the future.REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**3-1 Environmental Site Assessment and Investigation****PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$120.00	PER HOUR
1.2	Project Manager	\$ 95.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 65.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR
1.6	Laboratory Services	15-20% OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORIGINAL PROPOSAL)	

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1	Pick-Up, WD, ½ Ton	\$ 50.00		Yes	
2.2	Organic Vapor Meter	\$ 75.00		Yes	
2.3	Well Sounder	\$ 25.00		Yes	
2.4	Grundfos Redi Flo II	\$200.00		Yes	
2.5	Hydac Water Meter	\$ 25.00		Yes	
2.6	Hand Auger	\$ 50.00		Yes	
2.7	4-Gas Meter	\$ 75.00		Yes	

3-3 Asbestos and Lead Assessment**PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$120.00	PER HOUR
1.2	Project Manager	\$ 95.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 65.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR
1.6	Laboratory Services	0-10% OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORIGINAL PROPOSAL)	

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1	Niton XRF Lead Analyzer	\$150.00	\$500.00	Yes	
2.2	Gillian Primary Calib.	\$ 25.00		Yes	
2.3	Pick-up, 2WD, ½ Ton	\$ 50.00		Yes	
2.4	High Vol. Sample Pumps	\$ 25.00		Yes	
2.5	Low vol. Pers. Air pumps	\$ 25.00		Yes	

WESTERN TECHNOLOGIES INC, 3737 E BROADWAY RD., PHOENIX, AZ 85040

2.6	Portable HEPA vacuum	\$ 50.00	Yes
2.7	Olympus PCM Microscopes	\$ 75.00	Yes

3-5 Industrial Hygiene/Indoor Air Quality

PERSONNEL CLASSIFICATION

HOURLY RATE

1.1	Technical Director	\$120.00	PER HOUR
1.2	Project Manager	\$ 95.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 65.00	PER HOUR
1.4	Technician	\$ 55.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR
1.6	Laboratory Services	0-15% OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORIGINAL PROPOSAL)	

2.0 EQUIPMENT PRICING SCHEDULE

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OVNER OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 Pick-up, 2WD, ½ Ton	\$50.00			Yes	
2.2 Gillian Primary Calib.	\$25.00			Yes	
2.3 High Vol. Sample Pumps	\$25.00			Yes	
2.4 Low vol. Pers. Air pumps	\$25.00			Yes	
2.5 Organic Vapor Meter	\$75.00			Yes	
2.6 4-Gas Meter	\$75.00			Yes	
2.7 Portable HEPA vacuum	\$50.00			Yes	
2.8 Air Impaction Sampler	\$25.00			Yes	
2.9 Moisture Meter	\$25.00			Yes	
2.10 Boroscope	\$25.00			Yes	
2.11 Olympus 1000X Emmersion Scope	\$75.00			Yes	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>0</u>	% Maximum Increase
3.2	3rd Year Period	<u>5</u>	% Maximum Increase
3.3	4th Year Period	<u>5</u>	% Maximum Increase
3.4	5th Year Period	<u>10</u>	% Maximum Increase

Terms: NET 30

Vendor Number: **W000004477 X**

Telephone Number: 602/437-3737

Fax Number: 602/470-1341

Contact Person: ~~David Regonini~~ **Randolph Marwig**

E-mail Address: david.r@wt-us.com randy.m@wt-us.com

Company Web Site: www.phoenix@wt-us.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

ARCHAEOLOGICAL CONSULTING SERVICES LTD, 424 W BROADWAY RD, TEMPE, AZ 85282**P089502 / B0603374 / NIGP CODE 91843**WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☒ NOOTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**1.0 PRICING****3-11 Environmental Assessments/Environmental Impact Statements****PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$ 91.50	PER HOUR
1.2	Project Manager	\$ 51.50	PER HOUR
1.3	Project Engineer/Scientist	\$ 36.00	PER HOUR
1.4	Technician	\$ 33.75	PER HOUR
1.5	Clerical	\$ 33.75	PER HOUR

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>4.0</u>	% Maximum Increase
3.2	3rd Year Period	<u>4.0</u>	% Maximum Increase
3.3	4th Year Period	<u>4.0</u>	% Maximum Increase
3.4	5th Year Period	<u>4.0</u>	% Maximum Increase

Terms: NET 30

Vendor Number: **W000004586 X**

Telephone Number: 480/894-5477

Fax Number: 480/894-5478

Contact Person: ~~Margerie Green~~ **Ramona Aamold**E-mail Address: mgreen@acstempe.comCompany Web Site: www.acxtempe.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

FIBERQUANT ANALYTICAL LABORATORIES, 5025 S 33RD STREET, PHOENIX, AZ 85040

P089502 / B0603374 / NIGP CODE 91843

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

1.0 PRICING

SERVICE OFFERED:	ASO 3-8
PLM bulk samples 1-3 day TAT	\$ 15.00 ea.
PLM bulk samples 6-hour TAT	\$ 22.50 ea.
PLM built-up roofing 1-3 day TAT	\$ 46.67/hr
PLM roofing 6-hour TAT	\$ 70.00/hr
TEM bulk analyses 3-5 day TAT	\$ 90.00 ea.
TEM bulk analyses 2-day TAT	\$135.00 ea.
TEM air cassettes 24-hour TAT	\$ 90.00 ea.
TEM air cassettes 6-hour TAT	\$135.00 ea.
TEM air cassettes AHERA set 24-hour TAT	\$375.00/5
TEM air cassettes AHERA set 6-hour TAT	\$562.50/5
PCM air cassettes 24-hour TAT	\$ 10.00 ea.
PCM air cassettes 6-hour TAT	\$ 15.00 ea.
FAA lead testing 1-3 day TAT	\$ 15.00
FAA lead testing 6-hour TAT	\$ 22.50
XRF lead testing on-site	Call
Non-cultured fungal spore traps 1-2 day TAT	35.00 ea.
Non-cultured fungal spore traps 6-hour TAT	\$ 52.50 ea.
Non-cultured fungal bulk samples 1-2 day TAT	25.00 ea.
Non-cultured fungal bulk samples 6-hour TAT	\$ 37.50 ea.
Cultured fungal analyses 7-day TAT (nominal)	45.00 ea.

Terms: NET 30

Vendor Number: **W000004508 X**

Telephone Number: 602/276-6139

Fax Number: 602/276-4558

Contact Person: Michael Brea

E-mail Address: fiberquant@abilnet.com michaelb@fiberquant.com

Company Web Site: www.fiberq.com

Certificates of Insurance Required

Contract Period: To cover the period ending **NOVEMBER 30, 2008**

DEL MAR ANALYTICAL, 9830 S 51ST STREET, PHOENIX, AZ 85044WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☒ YES ☐ NOREBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**2.0 PRICING****3-11 Environmental Assessments/Environmental Impact Statements****PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1	Technical Director	\$ 100.00	PER HOUR
1.2	Project Manager	\$ 75.00	PER HOUR
1.3	Project Engineer/Scientist	\$ 65.00	PER HOUR
1.4	Technician	\$ 50.00	PER HOUR
1.5	Clerical	\$ 45.00	PER HOUR
1.6	Laboratory Services See attached custom quote	20% OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORIGINAL PROPOSAL) See attaché fee schedule	

3.0 ESCALATION SCHEDULE

3.1	2nd Year Period	<u>0</u>	% Maximum Increase
3.2	3rd Year Period	<u>0</u>	% Maximum Increase
3.3	4th Year Period	<u>0</u>	% Maximum Increase
3.4	5th Year Period	<u>0</u>	% Maximum Increase

P089502 / B0603374 / NIGP CODE 91843

Terms: NET 45

Vendor Number: W000004340 X

Telephone Number: 480/785-0043

Fax Number: 480/785-0851

Contact Person: Karen Maxwell

E-mail Address: kmaxwell@dmalabs.comCompany Web Site: www.dmalabs.com

Certificates of Insurance Required

Contract Period: To cover the period ending **November 30, 2008.**

GEOMATRIX CONSULTANTS, INC., 8777 EAST VIA DE VENTURA SUITE 396, SCOTTSDALE, AZ 85258

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

1.0 PRICING

SERVICE OFFERED: ES 3.4

<u>PERSONNEL CLASSIFICATION</u>	<u>HOURLY RATE</u>	STANDARD LABOR RATES
1.1 Technical Director	<u>\$225.00 PER HOUR</u>	
1.2 Project Manager	<u>\$175.00 PER HOUR</u>	
1.3 Project Engineer/Scientist	<u>\$115.00 PER HOUR</u>	
1.4 Technician	<u>\$ 77.00 PER HOUR</u>	
1.5 Clerical	<u>\$ 60.00 PER HOUR</u>	
1.6 Laboratory Services	N/A % OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGIANL PROPOSAL)	

3.0 **ESCALATION SCHEDULE**

3.1	2nd Year Period	<u>2</u>	% Maximum Increase
3.2	3rd Year Period	<u>3</u>	% Maximum Increase
3.3	4th Year Period	<u>4</u>	% Maximum Increase
3.4	5th Year Period	<u>5</u>	% Maximum Increase

P089502 / B0603374 / NIGP CODE 91843

Terms: NET 30

Vendor Number: W000006952 X

Telephone Number: 480/348-1283

Fax Number: 480/348-1245

Contact Person: Ron Vernesoni

E-mail Address: llapat@geomatrix.com

Company Web Site: www.geomatrix.com

Certificates of Insurance Required

Contract Period: To cover the period ending **November 30, 2008.**

INNOVATIVE TECHNICAL SOLUTIONS INC., 1501 WEST FOUNTAINHEAD PARKWAY SUITE 360, TEMPE, AZ 85282

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO

1.0 PRICING

SERVICE OFFERED: ES 3.4

<u>PERSONNEL CLASSIFICATION</u>	<u>HOURLY RATE</u>
1.1 Technical Director	<u>\$125.00 PER HOUR</u>
1.2 Project Manager	<u>\$100.00 PER HOUR</u>
1.3 Project Engineer/Scientist	<u>\$ 75.00 PER HOUR</u>
1.4 Technician	<u>\$ 50.00 PER HOUR</u>
1.5 Clerical	<u>\$ 40.00 PER HOUR</u>
1.6 Laboratory Services	N/A % OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGANL PROPOSAL)

MUST BE SUBMITTED FOR EACH ASO

2.0 EQUIPMENT PRICING SCHEDULE

SERVICE OFFERED: ES 3-4

Offerors are to list all minimum equipment essential to performing services under Scopes of Work, as applicable to your proposal, either owned or leased, excluding rentals. (Note: for billing purposes, ten (10) hours constitute one (1) "day".) This form may be duplicated as necessary.

<u>EQUIPMENT NAME</u>	<u>PRICE PER DAY</u>	<u>PRICE PER WEEK</u>	<u>PRICE PER MONTH</u>	<u>OWNED OR LEASED YES/NO</u>	<u>COST PER MILE TO AND FROM SITE</u>
2.1 GILIAN Personal Sampling Pump (HFS 113 or GilAir)	\$20.00	\$60.00	\$140.00	Yes - Owned	\$0.445
2.2 Hi-Volume Pumps (Thomas or Gast)	\$10.00	\$30.00	\$70.00	Yes - Owned	\$0.445
2.3 GILIAN Gilibrator Primary Standard Calibrator	\$35.00	\$105.00	\$245.00	Yes - Owned	\$0.445
2.4 Rotameter	\$25.00	\$75.00	\$175.00	Yes - Owned	\$0.445
2.5 FOXBORO OVA Model 108	\$100.00	\$300.00	\$700.00	Yes - Owned	\$0.445
2.6 MIE PDM-3 Mini-RAM Dust Monitor	\$65.00	\$195.00	\$455.00	Yes - Owned	\$0.445
2.7 WatchDog Alarm Box for Mini-RAMs and Data Loggers	\$35.00	\$105.00	\$245.00	Yes - Owned	\$0.445
2.8 DRAEGER/SENSIDYNE Detector Tube Pump	\$15.00	\$45.00	\$105.00	Yes - Owned	\$0.445

INNOVATIVE TECHNICAL SOLUTIONS INC., 1501 WEST FOUNTAINHEAD PARKWAY SUITE 360, TEMPE, AZ 85282

2.9 Thermo-Gastech CGI 4-gas Meter, Model GT-302	\$60.00	\$180.00	\$420.00	Yes - Owned	\$0.445
2.10 Met Station with Wind Speed & Direction (not including recorder)	\$60.00	\$180.00	\$420.00	Yes - Owned	\$0.445
2.11 METROSONICS 8-Channel Analog Datalogger	\$60.00	\$180.00	\$420.00	Yes - Owned	\$0.445
Port-a-Court (Quantitative Fit Testing)	\$175.00	\$525.00	\$1,225.00	Yes - Owned	\$0.445
2.12 TSI Velocicalc Air Flow Meter	\$60.00	\$180.00	\$420.00	Yes - Owned	\$0.445
2.13 Thermo 580EZ PID	\$60.00	\$180.00	\$420.00	Yes - Owned	\$0.445
2.14 GasTech GT302 O ₂ LEL/ppm H ₂ S CO Pump	\$60.00	\$180.00	\$420.00	Yes - Owned	\$0.445
2.15 Lalson-Davis Noise Meter	\$35.00	\$105.00	\$245.00	Yes - Owned	\$0.445

3.0 ESCALATION SCHEDULE3.1 2nd Year Period 3 % Maximum Increase Over First Year Rates3.2 3rd Year Period 6 % Maximum Increase Over First Year Rates3.3 4th Year Period 9 % Maximum Increase Over First Year Rates3.4 5th Year Period 12 % Maximum Increase Over First Year Rates

NOTE: In order to determine the potential maximum liability of Maricopa County, any percentage(s) proposed by the offeror for 2nd, 3rd, 4th, and 5th years shall be evaluated.

The percentages stated above are provided pursuant to the provisions of the Request for Proposal. Any annual increase must be requested in writing 60 days prior to the annual contract date. Escalation shall not exceed the increase in the U.S. Department of Labor (Bureau of Labor Statistics) Consumer Price Index for Urban Consumers. Increases shall be approved in writing by the Materials Management Department prior to any adjusted invoicing submitted for payment. The above percentage increase will not be automatically acted on.

P089502 / B0603374 / NIGP CODE 91843

Terms: NET 30

Vendor Number: W000007445 X

Telephone Number: 480/706-6488

Fax Number: 480/704-2952

Contact Person: Lawrence Phillips

E-mail Address: lphillips@itsi.com

Company Web Site: www.itsi.com

Certificates of Insurance Required

Contract Period: To cover the period ending **November 30, 2008.**

RTP ENVIRONMENTAL ASSOCIATES, 304-A WEST MILLBROOK RD, RALEIGH, NC 27609

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

ACCEPT PROCUREMENT CARD: ☒ YES ☐ NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☐ NO ☐ % REBATE N/A
(Payment shall be made within 48 hrs utilizing the Purchasing Card)

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☐ YES ☒ NO

1.0 PRICING

SERVICE OFFERED: ES 3.4

<u>PERSONNEL CLASSIFICATION</u>	<u>HOURLY RATE</u>
1.1 Technical Director	<u>\$195.00 PER HOUR</u>
1.2 Project Manager	<u>\$165.00 PER HOUR</u>
1.3 Project Engineer/Scientist	<u>\$135.00 PER HOUR</u>
1.4 Technician	<u>\$ 95.00 PER HOUR</u>
1.5 Clerical	<u>\$ 64.00 PER HOUR</u>
1.6 Laboratory Services	N/A % OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGIAN L PROPOSAL)

3.0 ESCALATION SCHEDULE

3.1 2nd Year Period 0 % Maximum Increase

3.2 3rd Year Period 10 % Maximum Increase

3.3 4th Year Period 0 % Maximum Increase

3.4 5th Year Period 0 % Maximum Increase

P089502 / B0603374 / NIGP CODE 91843

Terms: NET 30

Vendor Number: W000003797 X

Telephone Number: 919/845-1422

Fax Number: 919/845-1424

Contact Person: Peter Keller

E-mail Address: g.mccutchen@rtpenv.com

Company Web Site: www.rtpenv.com

Certificates of Insurance Required

Contract Period: To cover the period ending **November 30, 2008.**

TRINITY CONSULTANTS, 19777 NORTH 76TH STREET NO. 3315, SCOTTSDALE, AZ 85255WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NOACCEPT PROCUREMENT CARD: ☒ YESREBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: ☐ YES ☒ NO ☐ % REBATE
(Payment shall be made within 48 hrs utilizing the Purchasing Card)OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☒ YES ☐ NO**1.0 PRICING****SERVICE OFFERED: ES 3.4****PERSONNEL CLASSIFICATION****HOURLY RATE**

1.1 Technical Director		<u>\$184.50 PER HOUR</u>
1.2 Project Manager		<u>\$157.00 PER HOUR</u>
1.3 Project Engineer/Scientist		<u>\$ 99.00 PER HOUR</u>
1.4 Technician		<u>\$ 81.00 PER HOUR</u>
1.5 Clerical		<u>\$ 67.50 PER HOUR</u>
1.6 Laboratory Services	N/A	% OFF CURRENT PRICE LIST (MUST BE SUBMITTED WITH ORGIAN L PROPOSAL)

3.0 ESCALATION SCHEDULE3.1 2nd Year Period Match CPI Increase % Maximum Increase3.2 3rd Year Period Match CPI Increase % Maximum Increase3.3 4th Year Period Match CPI Increase % Maximum Increase3.4 5th Year Period Match CPI Increase % Maximum Increase**P089502 / B0603374 / NIGP CODE 91843**

Terms: NET 30

Vendor Number: W000007519 X

Telephone Number: 800/229-6655

Fax Number: 972/385-9203

Contact Person: Eddie Al-Rayes

E-mail Address: ealrayes@trinityconsultants.comCompany Web Site: www.trinityconsultants.com

Certificates of Insurance Required

Contract Period: To cover the period ending **November 30, 2008.**